

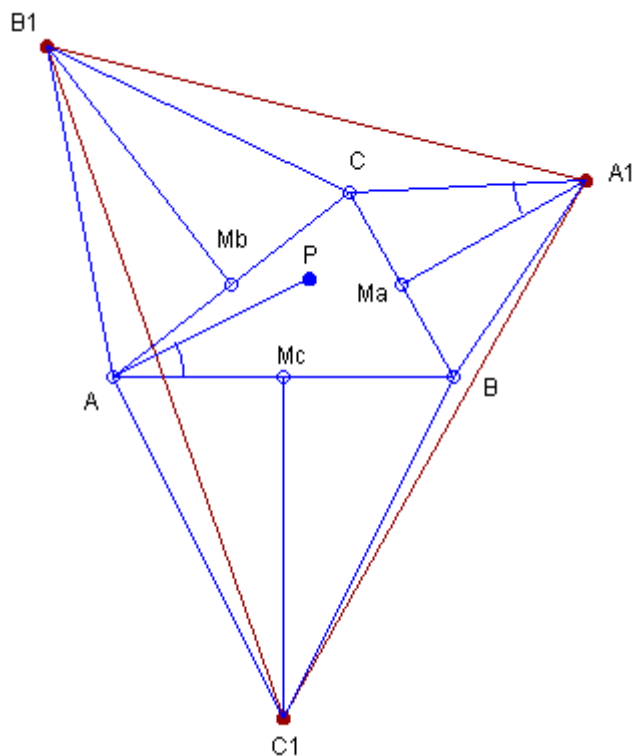
Lemoine-Kiepert Triangles

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Abstract. We define the Outer and Inner Lemoine-Kiepert triangles, and by using the computer program "Machine for Questions and Answers", we find perspectives of the Lemoine-Kiepert Triangles.

Denote by ω the Brocard angle of a triangle ABC . Construct isosceles triangles with base angle $\pi/2 - \omega$ on the outside of the given triangle ABC . The vertices of the constructed isosceles triangles form the *Outer Lemoine-Kiepert Triangle*.

See the Figure:



P - First Brocard Point;
 M_a, M_b, M_c - midpoints of side of triangle ABC ;
 $\text{angle } \omega = \text{angle } BAP$
 $= \text{angle } BA_1M_a = \text{angle } CA_1M_a$
 $= \text{angle } CB_1M_b = \text{angle } AB_1M_b$
 $= \text{angle } AC_1M_c = \text{angle } BC_1M_c$;

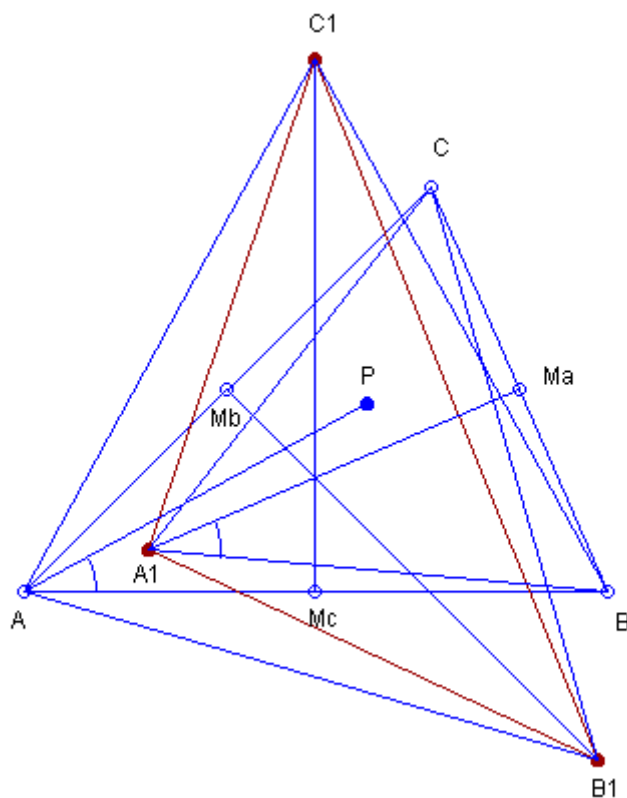
$\text{angle } \pi/2 - \omega$
 $= \text{angle } BCA_1 = \text{angle } CBA_1$
 $= \text{angle } CAB_1 = \text{angle } ACB_1$
 $= \text{angle } ABC_1 = \text{angle } BAC_1;$
 $A_1B_1C_1$ - Outer Lemoine-Kiepert Triangle.

The Lemoine circle is parametrized by parametric Kiepert angle equal to $\pi/2 - \omega$ (that is, by parametric Tucker angle ω) which justifies the name of the Outer Lemoine-Kiepert Triangle.

Triangle ABC and the Outer Lemoine-Kiepert Triangle are perspective at the Isogonal Conjugate of the Center of the Brocard Circle (we will use the term *Outer Lemoine-Kiepert Point* for this point), since the Center of the Brocard Circle is the center of the Lemoine circle.

Construct isosceles triangles with base angle $\pi/2 - \omega$ on the inside of the given triangle ABC. The vertices of the constructed isosceles triangles form the *Inner Lemoine-Kiepert Triangle*.

See the Figure:



P - First Brocard Point;
 M_a, M_b, M_c - midpoints of side of triangle ABC;
 $\text{angle } \omega = \text{angle } BAP$
 $= \text{angle } BA_1M_a = \text{angle } CA_1M_a$
 $= \text{angle } CB_1M_b = \text{angle } AB_1M_b$

$= \text{angle } AC_1M_c = \text{angle } BC_1M_c;$
 $\text{angle } \pi/2 - \omega$
 $= \text{angle } BCA_1 = \text{angle } CBA_1$
 $= \text{angle } CAB_1 = \text{angle } ACB_1$
 $= \text{angle } ABC_1 = \text{angle } BAC_1;$
 $A_1B_1C_1$ - Inner Lemoine-Kiepert Triangle.

Outer Lemoine-Kiepert Triangle

The Machine for Questions and Answers produces theorems related to perspectives of the Outer Lemoine-Kiepert Triangle. A few examples are given below.

The Outer Lemoine-Kiepert Triangle is perspective with Triangle ABC.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Excentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Tangential Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Center of the Brocard Circle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Incenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Third Power Point.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Brocard Midpoint.

The Outer Lemoine-Kiepert Triangle is perspective with the Circum-Incentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Fuhrmann Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Orthic Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Cevian Triangle of the de Longchamps Point.

The Outer Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Reflection Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Reflected Neuberg Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Orthocenter of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Orthocenter of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the de Longchamps Point of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circum-Orthic Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the

Circumcenter of the Orthic Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Excentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Tangential Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Excentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Nine-Point Center of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Tangential Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Excentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Reflected Neuberg Triangle of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Cevian Triangle of the Circumcenter of the Circum-Incentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Circumcenter of the Circum-Incentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Circum-Incentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Lucas Central Triangle of the Circum-Incentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Incentral Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Medial Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Hexyl Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Orthic Triangle of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Gergonne Point of the Lucas Central Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Excentral Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Anticomplementary Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Orthocenter of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Reflected Neuberg Triangle of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the

First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Euler Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Hexyl Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Johnson Triangle of the Hexyl Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Reflection Triangle of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Reflected Neuberg Triangle of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Reflected Neuberg Triangle of the Inner Johnson-Yff Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Reflected Neuberg Triangle of the Outer Johnson-Yff Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the de Longchamps Point of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Incenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Circumcenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Orthocenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the de Longchamps Point of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Bevan Point of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Hexyl Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Orthocenter of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint of the Inner Johnson-Yff Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Brocard Midpoint of the Outer Johnson-Yff Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Centroid of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Centroid of the Malfatti Squares Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the

Incenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Circumcenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Antipedal Triangle of the Orthocenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the de Longchamps Point of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Bevan Point of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the de Longchamps Point of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Euler Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Malfatti Squares Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circum-Incentral Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circum-Medial Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Circumcevian Triangle of the Circumcenter of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circum-Orthic Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Circum-Orthic Triangle of the Johnson Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the First Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Circumcenters of the Triangulation Triangles of the Incenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Centroids of the Triangulation Triangles of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Circumcenters of the Triangulation Triangles of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Incenters of the Triangulation Triangles of the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Stevanovic Triangle of the Centroids of the Triangulation triangles of the Incenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Centroids of the Corner Triangles of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid.

The Outer Lemoine-Kiepert Triangle is homothetic to the Triangle of the Brocard Midpoints of the Corner Triangles of the Orthocenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Centers of the Brocard Circles of the Corner Triangles of the Orthocenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the Circumcenters of the Anticevian Corner Triangles of the Incenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the sides of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Center of the Brocard Circle in the sides of the Excentral Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the sides of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Centroid in the vertices of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the vertices of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Centroid in the vertices of the Anticomplementary Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the vertices of the Tangential Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Medial Triangle in the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of

the vertices of the Medial Triangle in the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Orthic Triangle in the Nine-Point Center.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticomplementary Triangle in the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticevian Triangle of the Orthocenter in the Nine-Point Center.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Tangential Triangle in the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticevian Triangle of the Third Power Point in the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the de Longchamps Point.

The Outer Lemoine-Kiepert Triangle is perspective with the Half-Cevian Triangle of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Half-Cevian Triangle of the de Longchamps Point.

The Outer Lemoine-Kiepert Triangle is perspective with the Grinberg Triangle of the Incenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Grinberg Triangle of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the sides of Triangle ABC.

The Outer Lemoine-Kiepert Triangle is homothetic to the Triangle of the reflections of the Brocard Midpoint in the sides of Triangle ABC.

The Outer Lemoine-Kiepert Triangle is perspective with the Hatzipolakis Triangle of the Centroid.

The Outer Lemoine-Kiepert Triangle is perspective with the Hatzipolakis Triangle of the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Desmic Mate the Third Brocard Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Desmic Mate the Neuberg

Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Desmic Mate the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Reflected Neuberg Circles.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Excircles of the Medial Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Reflected Neuberg Circles.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Reflected Neuberg Circles.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Excircles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Excircles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Excircles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Excircles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Soddy Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Soddy Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Soddy Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Soddy Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Malfatti Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Malfatti Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Malfatti Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Malfatti Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Reflected Neuberg Circles.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Reflected Neuberg Circles.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Excircles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Excircles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Excircles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Excircles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Soddy Circles of the Lucas Central Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Soddy Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Soddy Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Soddy Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Soddy Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Malfatti Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Malfatti Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Malfatti Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the

Malfatti Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Circumcevian Triangle of the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Reflected Neuberg Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Outer Lemoine-Kiepert Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Inner Moses Triangle of the Triad of the Circumcircles of the Triangulation Triangles of the Circumcenter.

The Outer Lemoine-Kiepert Triangle is homothetic to the Outer Moses Triangle of the Triad of the Circumcircles of the Triangulation Triangles of the Circumcenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Triad of the Second Droz-Farny Circles of the Triangulation Triangles of the Orthocenter.

The Outer Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Triad of the Second Droz-Farny Circles of the Triangulation Triangles of the Orthocenter.

The Outer Lemoine-Kiepert Triangle is homothetic to the Inner Moses Triangle of the Triad of the Circumcircles of the Corner Triangles of the Tangential Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Outer Moses Triangle of the Triad of the Circumcircles of the Corner Triangles of the Tangential Triangle.

The Outer Lemoine-Kiepert Triangle is homothetic to the Inner Moses Triangle of the Triad of the Circumcircles of the Corner Triangles of the Anticevian Triangle of the Weill Point.

The Outer Lemoine-Kiepert Triangle is homothetic to the Outer Moses Triangle of the Triad of the Circumcircles of the Corner Triangles of the Anticevian Triangle of the Weill Point.

Inner Lemoine-Kiepert Triangle

The Machine for Questions and Answers produces theorems related to perspectives of the Inner Lemoine-Kiepert Triangle. A few examples are given below.

The Inner Lemoine-Kiepert Triangle is perspective with Triangle ABC.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Cevian Triangle of the Tarry Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Excentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Tangential Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Third Power Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Tarry Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Incenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Third Power Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Brocard Midpoint.

The Inner Lemoine-Kiepert Triangle is perspective with the Circum-Incentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Fuhrmann Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Third Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Lucas Central Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Orthic Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Symmedial Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Cevian Triangle of the de Longchamps Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflection Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Lucas Central Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Lucas Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Neuberg Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Orthocenter of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Orthocenter of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the de Longchamps Point of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circum-Orthic Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Symmedian Point of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Orthic Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Excentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Excentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Nine-Point Center of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Excentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Neuberg Triangle of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Cevian Triangle of the Circumcenter of the Circum-Incentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Symmedian Triangle of the

Circum-Incentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Circumcenter of the Circum-Incentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Circum-Incentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Lucas Central Triangle of the Circum-Incentral Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Symmedial Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Incentral Triangle of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Medial Triangle of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Medial Triangle of the Hexyl Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Orthic Triangle of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticomplementary Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Tangential Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Gergonne Point of the Lucas Central Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Excentral Triangle of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Anticomplementary Triangle of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Anticevian Triangle of the Orthocenter of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Third Brocard Triangle of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Neuberg Triangle of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Lucas Central Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Lucas Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Euler Triangle of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the First Brocard Triangle of the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Neuberg Triangle of the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflected Neuberg Triangle of the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Hexyl Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Johnson Triangle of the Hexyl Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Reflection Triangle of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Neuberg Triangle of the Johnson

Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Neuberg Triangle of the Inner Johnson-Yff Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Neuberg Triangle of the Outer Johnson-Yff Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the de Longchamps Point of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Incenter of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Circumcenter of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Orthocenter of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the de Longchamps Point of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Bevan Point of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Circumcenter of the Hexyl Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Pedal Triangle of the Orthocenter of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point of the Inner Johnson-Yff Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Pedal Triangle of the Third Power Point of the Outer Johnson-Yff Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Centroid of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Circumcenter of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Centroid of the Malfatti Squares Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Incenter of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Circumcenter of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Antipedal Triangle of the Orthocenter of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the de Longchamps Point of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Bevan Point of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the Orthocenter of the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Antipedal Triangle of the de Longchamps Point of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Euler Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Symmedian Point of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Circumcenter of the Malfatti Squares Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circum-Incentral Triangle of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circum-Medial Triangle of the

Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circum-Orthic Triangle of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Circumcevian Triangle of the Third Power Point of the Johnson Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Fermat Triangle of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the Circumcenters of the Triangulation Triangles of the Incenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the Centroids of the Triangulation Triangles of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the Circumcenters of the Triangulation Triangles of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the Incenters of the Triangulation Triangles of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Stevanovic Triangle of the Centroids of the Triangulation triangles of the Incenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the Centroids of the Corner Triangles of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid.

The Inner Lemoine-Kiepert Triangle is homothetic to the Triangle of the Third Power Points of the Corner Triangles of the Orthocenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the Circumcenters of the Anticevian Corner Triangles of the Incenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the sides of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Centroid in the vertices of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the vertices of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Centroid in the vertices of the Anticomplementary Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the vertices of the Tangential Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Center of the Brocard Circle in the vertices of the Anticevian Triangle of the Third Power Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Medial Triangle in the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Medial Triangle in the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Orthic Triangle in the Nine-Point Center.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Symmedial Triangle in the Center of the Brocard Circle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticomplementary Triangle in the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticevian Triangle of the Orthocenter in the Nine-Point Center.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Tangential Triangle in the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticevian Triangle of the Third Power Point in the Center of the Brocard Circle.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the vertices of the Anticevian Triangle of the Brocard Midpoint in the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Side Triangle of the First Brocard Point and the Second Brocard Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Euler Triangle of the de Longchamps Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Half-Cevian Triangle of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Half-Cevian Triangle of the de Longchamps Point.

The Inner Lemoine-Kiepert Triangle is perspective with the Grinberg Triangle of the

Incenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Grinberg Triangle of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Triangle of the reflections of the Circumcenter in the sides of Triangle ABC.

The Inner Lemoine-Kiepert Triangle is homothetic to the Triangle of the reflections of the Third Power Point in the sides of Triangle ABC.

The Inner Lemoine-Kiepert Triangle is perspective with the Hatzipolakis Triangle of the Centroid.

The Inner Lemoine-Kiepert Triangle is perspective with the Hatzipolakis Triangle of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Desmic Mate the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Desmic Mate the Third Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Desmic Mate the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Desmic Mate the Reflected Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Neuberg Circles.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Excircles of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Mixtilinear Incircles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Mixtilinear Incircles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Soddy Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Soddy Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Malfatti Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Malfatti Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Johnson Triangle of the Lucas Circles of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Neuberg Circles.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Neuberg Circles.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Excircles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Excircles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Excircles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Excircles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Soddy Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Soddy Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Soddy Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Soddy Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Malfatti Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Malfatti Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Malfatti Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Apollonius Triangle of the Malfatti Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of

the Lucas Circles of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Apollonius Triangle of the Lucas Circles of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Neuberg Circles.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Neuberg Circles.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Excircles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Excircles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Excircles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Excircles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Soddy Circles of the Lucas Central Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Soddy Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Soddy Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Soddy Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Soddy Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Malfatti Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Malfatti Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Malfatti Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Malfatti Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Medial Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Pedal Triangle of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Pedal Triangle of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Circumcevian Triangle of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the First Brocard Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Neuberg Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Inner Gallatly-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Inner Gallatly-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the Lucas Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Lucas Circles of the Inner Lemoine-Kiepert Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Inner Moses Triangle of the Triad of the Circumcircles of the Triangulation Triangles of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is homothetic to the Outer Moses Triangle of the Triad of the Circumcircles of the Triangulation Triangles of the Circumcenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Inner Moses Triangle of the

Triad of the Second Droz-Farny Circles of the Triangulation Triangles of the Orthocenter.

The Inner Lemoine-Kiepert Triangle is perspective with the Outer Moses Triangle of the Triad of the Second Droz-Farny Circles of the Triangulation Triangles of the Orthocenter.

The Inner Lemoine-Kiepert Triangle is homothetic to the Inner Moses Triangle of the Triad of the Circumcircles of the Corner Triangles of the Tangential Triangle.

The Inner Lemoine-Kiepert Triangle is homothetic to the Outer Moses Triangle of the Triad of the Circumcircles of the Corner Triangles of the Tangential Triangle.

Invitation

The reader is invited to submit a note/paper containing

- synthetic proofs of theorems from this paper,
- or, applications of theorems from this paper,
- or, additional references related to this paper.

Definitions

We use the definitions in accordance with [1 - 5] and papers published in this journal.

The Level

The Machine for Questions and Answers is used to produce results in this paper. Currently the Machine has 6 levels of depths - 0,1,2,3,4,5. We use for this paper the level 0, that is, the Machine produces only elementary results. If we need deeper investigation, we have to use a level bigger than 0. Since the Machine for Questions and Answers produces too many results, it is suitable we to use bigger levels upon request, that is, for specific questions.

Thanks

The figures in this note are produced by using the program C.a.R. (Compass and Ruler), an amazing program created by Rene Grothmann. The Grothmann's program is available for download in the Web: [Rene Grothmann's C.a.R.](#). It is free and open source. The reader may verify easily the statements of this paper by using C.a.R. Many thanks to Rene Grothmann for his wonderful program.

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