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Kenmotu Points

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Abstract. By using the computer program "Machine for Questions and Answers", we find properties of the Kenmotu Points.

Given a point, the Machine for Questions and Answers produces theorems related to properties of the point. The Machine for Questions and Answers produces theorems related to properties of the Kenmotu Points:

Inner Kenmotu Point

Inner Kenmotu Point = Inner Vecten Point of the Pedal Triangle of the Inner Kenmotu Point.

Inner Kenmotu Point = Inner Kenmotu Point of the Circumcevian Triangle of the Symmedian Point.

Inner Kenmotu Point = Outer Kenmotu Point of the Circumcevian Triangle of the Inner Kenmotu Point.

Inner Kenmotu Point = Outer Eppstein Point of the Lucas Central Triangle.

Inner Kenmotu Point = Circumcenter of the First Kenmotu-Tucker Triangle.

Inner Kenmotu Point = Circumcenter of the Second Kenmotu-Tucker Triangle.

Inner Kenmotu Point = Center of the Kenmotu Circle.

Inner Kenmotu Point = Center of the Circumcircle of the First Kenmotu-Tucker Triangle.

Inner Kenmotu Point = Center of the Second Droz-Farny Circle of the First Kenmotu-Tucker Triangle.

Inner Kenmotu Point = Center of the Circumcircle of the Second Kenmotu-Tucker Triangle.

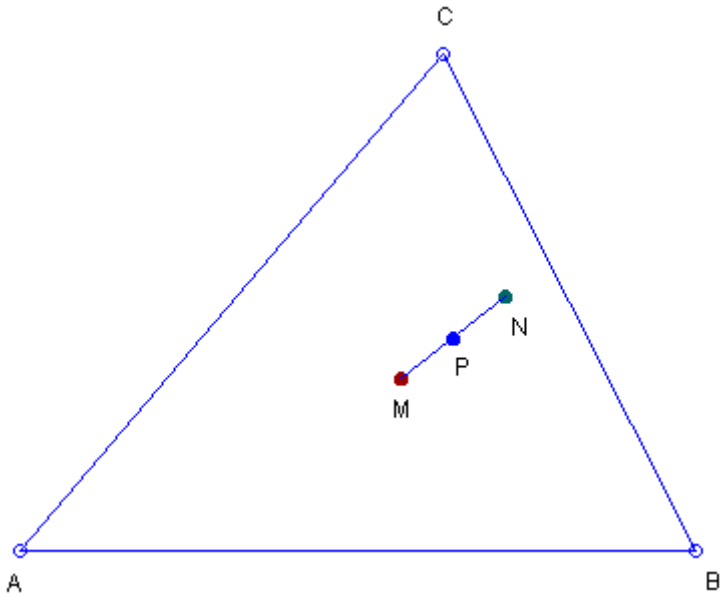
Inner Kenmotu Point = Center of the Second Droz-Farny Circle of the Second Kenmotu-Tucker Triangle.

Inner Kenmotu Point = Center of the Kenmotu Circle of the Circumcevian Triangle of the

Symmedian Point.

Inner Kenmotu Point = Reflection of the Outer Kenmotu Point in the Third Power Point.

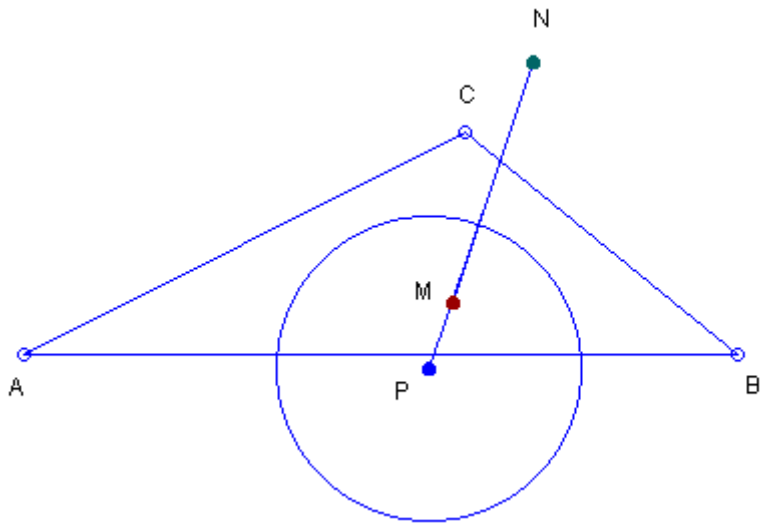
See the Figure:



P - Third Power Point;
N - Outer Kenmotu Point;
M - Inner Kenmotu Point = Reflection of point N in point P.

Inner Kenmotu Point = Inverse of the Outer Kenmotu Point in the Brocard Circle.

See the Figure:



(P) - Brocard Circle;

N - Outer Kenmotu Point;
M - Inner Kenmotu Point = Inverse of point N in circle (P).

Inner Kenmotu Point = Internal Center of Similitude of the Circumcircle and the Cosine Circle.

Inner Kenmotu Point = Internal Center of Similitude of the Cosine Circle and the Radical Circle of the Lucas Circles.

Inner Kenmotu Point = Internal Center of Similitude of the Gallatly Circle and the Lemoine Circle.

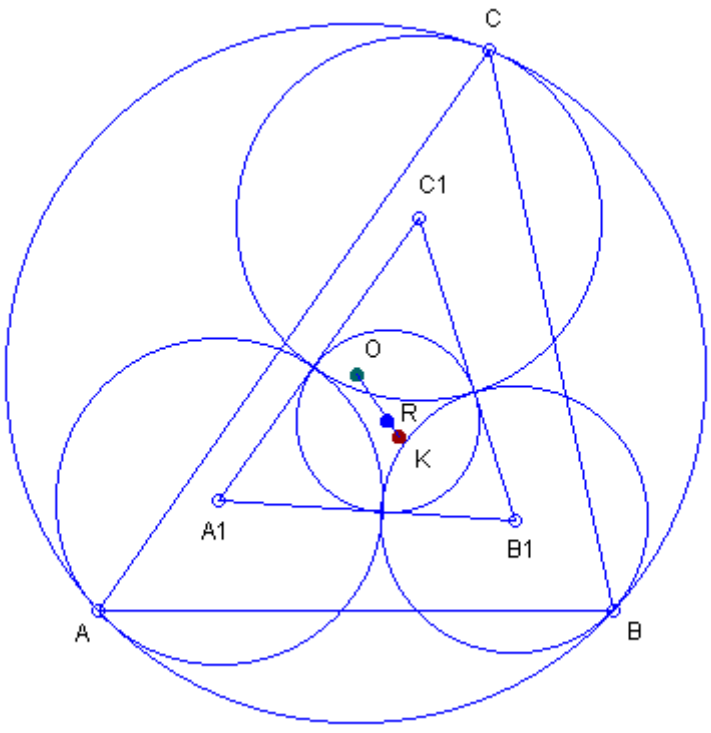
Inner Kenmotu Point = Internal Center of Similitude of the Fermat-Tucker Circle and the Napoleon-Tucker Circle.

Inner Kenmotu Point = Internal Center of Similitude of the Arctan(1/2) Tucker Circle and the Arctan(2) Tucker Circle.

Inner Kenmotu Point = Internal Center of Similitude of the Arctan(1/3) Tucker Circle and the Arctan(3) Tucker Circle.

Inner Kenmotu Point = External Center of Similitude of the Circumcircle and the Radical Circle of the Lucas Circles.

See the Figure:



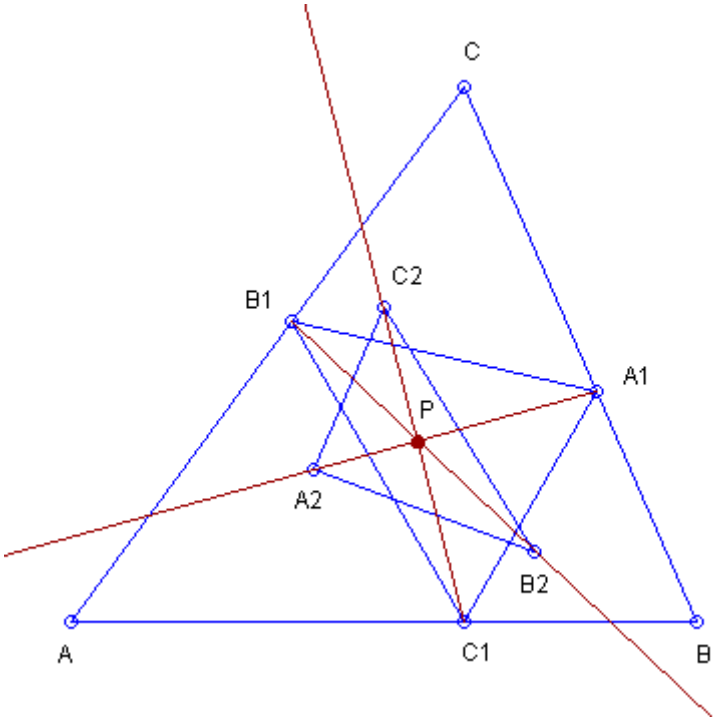
(O) - Circumcircle;

(A_1), (B_1), (C_1) - Lucas Circles;
(R) - Radical Circle of the Lucas Circles;
K - Inner Kenmotu Point = External Center of Similitude of circles (O) and (R).

Inner Kenmotu Point = Perspector of the Orthic Triangle and the Anticevian Triangle of the Outer Kenmotu Point.

Inner Kenmotu Point = Perspector of the Orthic Triangle and the Inner Vecten Triangle.

See the Figure:



$A_1B_1C_1$ - Orthic Triangle;
$A_2B_2C_2$ - Inner Vecten Triangle;
P - Inner Kenmotu Point = Perspector of triangles $A_1B_1C_1$ and $A_2B_2C_2$.

Inner Kenmotu Point = Perspector of the Cevian Triangle of the Malfatti-Moses Point and the Outer Vecten Triangle.

Inner Kenmotu Point = Perspector of the Anticevian Triangle of the Outer Kenmotu Point and the Pedal Triangle of the Orthocenter.

Inner Kenmotu Point = Perspector of the Tangential Triangle and the Lucas Central Triangle.

Inner Kenmotu Point = Perspector of the Anticevian Triangle of the Outer Kenmotu Point and the Inner Vecten Triangle.

Inner Kenmotu Point = Perspector of the Pedal Triangle of the Orthocenter and the Inner

Vecten Triangle.

Inner Kenmotu Point = Perspector of the Antipedal Triangle of the Circumcenter and the Lucas Central Triangle.

Inner Kenmotu Point = Homothetic Center of Triangle ABC and the Triangle of the Inner Kenmotu Points of the Corner Triangles of the Centroid.

Inner Kenmotu Point = Perspector of Triangle ABC and the Triangle of the Outer Vecten Points of the Corner Triangles of the Orthocenter.

Inner Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the Outer Vecten Point in the sides of the Excentral Triangle.

Inner Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Cevian Triangle of the Inner Kenmotu Point.

Inner Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Anticevian Triangle of the Inner Kenmotu Point.

Inner Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the vertices of the Cevian Triangle of the Inner Kenmotu Point in the Inner Kenmotu Point.

Inner Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the vertices of the Anticevian Triangle of the Inner Kenmotu Point in the Inner Kenmotu Point.

Inner Kenmotu Point = Homothetic Center of the Incentral Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Incentral Triangle.

Inner Kenmotu Point = Homothetic Center of the Medial Triangle and the Triangle of the Centroids of the Triangulation Triangles of the Inner Kenmotu Point.

Inner Kenmotu Point = Homothetic Center of the Medial Triangle and the Triangle of the Inner Kenmotu Points of the Anticevian Corner Triangles of the Centroid.

Inner Kenmotu Point = Homothetic Center of the Medial Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Medial Triangle.

Inner Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the Inner Vecten Points of the Triangulation Triangles of the Inner Kenmotu Point.

Inner Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the Inner Kenmotu Points of the Anticevian Corner Triangles of the Orthocenter.

Inner Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the Inner Vecten Points of the Anticevian Corner Triangles of the Outer Kenmotu Point.

Inner Kenmotu Point = Homothetic Center of the Orthic Triangle and the Triangle of the

reflections of the Inner Kenmotu Point in the vertices of the Orthic Triangle.

Inner Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Anticevian Triangle of the Outer Kenmotu Point.

Inner Kenmotu Point = Homothetic Center of the Symmedial Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Symmedial Triangle.

Inner Kenmotu Point = Homothetic Center of the Intouch Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Intouch Triangle.

Inner Kenmotu Point = Homothetic Center of the Extouch Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Extouch Triangle.

Inner Kenmotu Point = Homothetic Center of the Excentral Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Excentral Triangle.

Inner Kenmotu Point = Homothetic Center of the Anticomplementary Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Anticomplementary Triangle.

Inner Kenmotu Point = Homothetic Center of the Tangential Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Tangential Triangle.

Inner Kenmotu Point = Perspector of the Lucas Central Triangle and the Triangle of the reflections of the Inner Kenmotu Point in the vertices of the Tangential Triangle.

Inner Kenmotu Point = Perspector of the Neuberg Triangle and the Stevanovic Triangle of the Outer Vecten Points of the Triangulation triangles of the Third Power Point.

Inner Kenmotu Point = Perspector of the Reflected Neuberg Triangle and the Stevanovic Triangle of the Outer Vecten Points of the Triangulation triangles of the Brocard Midpoint.

Inner Kenmotu Point = Isogonal Conjugate of the Outer Vecten Point.

Inner Kenmotu Point = Anticomplement of the Inner Kenmotu Point of the Medial Triangle.

Inner Kenmotu Point = Isogonal Conjugate of the Anticomplement of the Outer Vecten Point of the Medial Triangle.

Inner Kenmotu Point = Isogonal Conjugate of the Product of the Centroid and the Outer Vecten Point.

Inner Kenmotu Point = Isogonal Conjugate of the Internal Center of Similitude of the Cosine Circle and the Nine-Point Circle.

Inner Kenmotu Point = Isogonal Conjugate of the Perspector of the Cevian Triangle of the Outer Vecten Point and the Circumcevian Triangle of the Outer Vecten Point.

Inner Kenmotu Point = Isogonal Conjugate of the Perspector of the Cevian Triangle of the Outer Vecten Point and the Outer Vecten Triangle.

Inner Kenmotu Point = Isogonal Conjugate of the Perspector of the Anticevian Triangle of the Outer Vecten Point and the Circumcevian Triangle of the Outer Vecten Point.

Inner Kenmotu Point = Isogonal Conjugate of the Perspector of the Anticevian Triangle of the Outer Vecten Point and the Outer Vecten Triangle.

Inner Kenmotu Point = Isogonal Conjugate of the Perspector of the Circumcevian Triangle of the Outer Vecten Point and the Outer Vecten Triangle.

The Inner Kenmotu Point lies on the Radical Circle of the Lucas Circles of the Second Brocard Triangle.

The Inner Kenmotu Point lies on the Brocard Circle of the First Kenmotu-Tucker Triangle.

The Inner Kenmotu Point lies on the Brocard Circle of the Second Kenmotu-Tucker Triangle.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Symmedian Point.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the First Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Second Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Outer Kenmotu Point.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Danneels-Apollonius Prespector.

The Inner Kenmotu Point lies on the Line through the Orthocenter and the Outer Vecten Point.

The Inner Kenmotu Point lies on the Line through the Symmedian Point and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Symmedian Point.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Second Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Inner Kenmotu Point.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Outer Kenmotu Point.

The Inner Kenmotu Point lies on the Line through the Second Isodynamic Point and the Symmedian Point.

The Inner Kenmotu Point lies on the Line through the Second Isodynamic Point and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Circumcenter.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Symmedian Point.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the First Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Second Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Outer Kenmotu Point.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Danneels-Apollonius Prespector.

The Inner Kenmotu Point lies on the Line through the External Center of Similitude of the Incircle and the Circumcircle and the Inner Kenmotu Point.

The Inner Kenmotu Point lies on the Line through the Outer Kenmotu Point and the Symmedian Point.

The Inner Kenmotu Point lies on the Line through the Outer Kenmotu Point and the Second Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Outer Kenmotu Point and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and

the Symmedian Point.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the First Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Second Isodynamic Point.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Third Power Point.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Outer Kenmotu Point.

The Inner Kenmotu Point lies on the Line through the Malfatti-Moses Point and the Orthocenter.

The Inner Kenmotu Point lies on the Line through the Malfatti-Moses Point and the Outer Vecten Point.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of

the Apollonius Circle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Brocard Circle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Inner Lucas Circle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Taylor Circle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Outer Kenmotu Point and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Circumcenter and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the First Isodynamic Point and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Brocard Midpoint and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Orthocenter of the Incentral Triangle and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Orthocenter of the Incentral Triangle and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Orthocenter of the Orthic Triangle and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Center of the Brocard Circle.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Center of the Inner Lucas Circle.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Center of the Taylor Circle.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Center of the Inner Lucas Circle.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Center of the Taylor Circle.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the

Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Center of the Taylor Circle.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Isogonal Conjugate of the Spieker Center.

The Inner Kenmotu Point lies on the Line through the Isogonal Conjugate of the Spieker Center and the Orthocenter of the Incentral Triangle.

The Inner Kenmotu Point lies on the Line through the Isogonal Conjugate of the Spieker Center and the Orthocenter of the Orthic Triangle.

The Inner Kenmotu Point lies on the Line through the Isogonal Conjugate of the Spieker Center and the Schoute Center.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Brocard Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the Center of the Taylor Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Inner Kenmotu Point lies on the Line through the External Center of Similitude of the Apollonius Circle and the Circumcircle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

Outer Kenmotu Point

Outer Kenmotu Point = Inner Vecten Point of the Pedal Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Outer Kenmotu Point of the Circumcevian Triangle of the Symmedian Point.

Outer Kenmotu Point = Outer Kenmotu Point of the Circumcevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Reflection of the Inner Kenmotu Point in the Third Power Point.

Outer Kenmotu Point = Inverse of the Inner Kenmotu Point in the Brocard Circle.

Outer Kenmotu Point = External Center of Similitude of the Circumcircle and the Cosine Circle.

Outer Kenmotu Point = External Center of Similitude of the Gallatly Circle and the Lemoine Circle.

Outer Kenmotu Point = External Center of Similitude of the Fermat-Tucker Circle and the Napoleon-Tucker Circle.

Outer Kenmotu Point = External Center of Similitude of the Arctan(1/2) Tucker Circle and the Arctan(2) Tucker Circle.

Outer Kenmotu Point = External Center of Similitude of the Arctan(1/3) Tucker Circle and the Arctan(3) Tucker Circle.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Anticevian Triangle of the Inner Kenmotu Point.

Outer Kenmotu Point = Perspector of the Cevian Triangle of the Outer Kenmotu Point and

the Anticevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of the Cevian Triangle of the Outer Kenmotu Point and the Circumcevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Outer Vecten Triangle.

Outer Kenmotu Point = Perspector of the Anticevian Triangle of the Inner Kenmotu Point and the Pedal Triangle of the Orthocenter.

Outer Kenmotu Point = Perspector of the Anticevian Triangle of the Outer Kenmotu Point and the Circumcevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of the Anticevian Triangle of the Inner Kenmotu Point and the Outer Vecten Triangle.

Outer Kenmotu Point = Perspector of the Pedal Triangle of the Orthocenter and the Outer Vecten Triangle.

Outer Kenmotu Point = Homothetic Center of Triangle ABC and the Triangle of the Outer Kenmotu Points of the Corner Triangles of the Centroid.

Outer Kenmotu Point = Perspector of Triangle ABC and the Triangle of the Inner Vecten Points of the Corner Triangles of the Orthocenter.

Outer Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the Inner Vecten Point in the sides of the Excentral Triangle.

Outer Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Cevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Anticevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the vertices of the Cevian Triangle of the Outer Kenmotu Point in the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of Triangle ABC and the Triangle of the reflections of the vertices of the Anticevian Triangle of the Outer Kenmotu Point in the Outer Kenmotu Point.

Outer Kenmotu Point = Homothetic Center of the Incentral Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Incentral Triangle.

Outer Kenmotu Point = Homothetic Center of the Medial Triangle and the Triangle of the Centroids of the Triangulation Triangles of the Outer Kenmotu Point.

Outer Kenmotu Point = Homothetic Center of the Medial Triangle and the Triangle of the

Outer Kenmotu Points of the Anticevian Corner Triangles of the Centroid.

Outer Kenmotu Point = Homothetic Center of the Medial Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Medial Triangle.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the Outer Kenmotu Points of the Anticevian Corner Triangles of the Orthocenter.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the Inner Vecten Points of the Anticevian Corner Triangles of the Inner Kenmotu Point.

Outer Kenmotu Point = Homothetic Center of the Orthic Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Orthic Triangle.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Anticevian Triangle of the Inner Kenmotu Point.

Outer Kenmotu Point = Homothetic Center of the Symmedial Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Symmedial Triangle.

Outer Kenmotu Point = Homothetic Center of the Intouch Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Intouch Triangle.

Outer Kenmotu Point = Homothetic Center of the Extouch Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Extouch Triangle.

Outer Kenmotu Point = Homothetic Center of the Excentral Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Excentral Triangle.

Outer Kenmotu Point = Homothetic Center of the Anticomplementary Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Anticomplementary Triangle.

Outer Kenmotu Point = Homothetic Center of the Tangential Triangle and the Triangle of the reflections of the Outer Kenmotu Point in the vertices of the Tangential Triangle.

Outer Kenmotu Point = Perspector of the Neuberg Triangle and the Stevanovic Triangle of the Inner Vecten Points of the Triangulation triangles of the Third Power Point.

Outer Kenmotu Point = Perspector of the Reflected Neuberg Triangle and the Stevanovic Triangle of the Inner Vecten Points of the Triangulation triangles of the Brocard Midpoint.

Outer Kenmotu Point = Perspector of Triangle ABC and the Outer Apollonius Triangle of the Lucas Circles of the Cevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of Triangle ABC and the Outer Apollonius Triangle of the Lucas Circles of the Anticevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of Triangle ABC and the Outer Apollonius Triangle of

the Lucas Circles of the Circumcevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Outer Apollonius Triangle of the Lucas Circles of the Anticevian Triangle of the Inner Kenmotu Point.

Outer Kenmotu Point = Perspector of the Orthic Triangle and the Outer Apollonius Triangle of the Lucas Circles of the Outer Vecten Triangle.

Outer Kenmotu Point = Perspector of the Inner Lucas Triangle and the Inner Apollonius Triangle of the Lucas Circles of the Circumcevian Triangle of the Outer Kenmotu Point.

Outer Kenmotu Point = Isogonal Conjugate of the Inner Vecten Point.

Outer Kenmotu Point = Anticomplement of the Outer Kenmotu Point of the Medial Triangle.

Outer Kenmotu Point = Isogonal Conjugate of the Anticomplement of the Inner Vecten Point of the Medial Triangle.

Outer Kenmotu Point = Isogonal Conjugate of the Product of the Centroid and the Inner Vecten Point.

Outer Kenmotu Point = Isogonal Conjugate of the External Center of Similitude of the Cosine Circle and the Nine-Point Circle.

Outer Kenmotu Point = Isogonal Conjugate of the Perspector of the Cevian Triangle of the Inner Vecten Point and the Circumcevian Triangle of the Inner Vecten Point.

Outer Kenmotu Point = Isogonal Conjugate of the Perspector of the Cevian Triangle of the Inner Vecten Point and the Inner Vecten Triangle.

Outer Kenmotu Point = Isogonal Conjugate of the Perspector of the Anticevian Triangle of the Inner Vecten Point and the Circumcevian Triangle of the Inner Vecten Point.

Outer Kenmotu Point = Isogonal Conjugate of the Perspector of the Anticevian Triangle of the Inner Vecten Point and the Inner Vecten Triangle.

Outer Kenmotu Point = Isogonal Conjugate of the Perspector of the Circumcevian Triangle of the Inner Vecten Point and the Inner Vecten Triangle.

The Outer Kenmotu Point lies on the Line through the Centroid and the Outer Vecten Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Symmedian Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the First Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Second

Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Inner Kenmotu Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Danneels-Apollonius Prespector.

The Outer Kenmotu Point lies on the Line through the Symmedian Point and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Symmedian Point.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Second Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Inner Kenmotu Point.

The Outer Kenmotu Point lies on the Line through the Second Isodynamic Point and the Symmedian Point.

The Outer Kenmotu Point lies on the Line through the Second Isodynamic Point and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Circumcenter.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Symmedian Point.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the First Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Second Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Inner Kenmotu Point.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Danneels-Apollonius Prespector.

The Outer Kenmotu Point lies on the Line through the Inner Vecten Point and the Orthocenter.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Symmedian Point.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Second Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Symmedian Point.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the First Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Second Isodynamic Point.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Third Power Point.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Inner Kenmotu Point.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the

Schoute Center.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Apollonius Circle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Brocard Circle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Inner Lucas Circle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Center of the Taylor Circle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Circumcenter and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the First Isodynamic Point and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Brocard Midpoint and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Inner Kenmotu Point and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Danneels-Apollonius Prespector and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Orthocenter of the Incentral Triangle and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Orthocenter of the Incentral Triangle and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Orthocenter of the Orthic Triangle and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Center of the Brocard Circle.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Center of the Inner Lucas Circle.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and

the Center of the Taylor Circle.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Center of the Inner Lucas Circle.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Center of the Taylor Circle.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Center of the Taylor Circle.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Isogonal Conjugate of the Spieker Center.

The Outer Kenmotu Point lies on the Line through the Isogonal Conjugate of the Spieker Center and the Orthocenter of the Incentral Triangle.

The Outer Kenmotu Point lies on the Line through the Isogonal Conjugate of the Spieker Center and the Orthocenter of the Orthic Triangle.

The Outer Kenmotu Point lies on the Line through the Isogonal Conjugate of the Spieker Center and the Schoute Center.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Apollonius Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Brocard Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Inner Lucas Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Taylor Circle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the Center of the Taylor Circle and the External Center of Similitude of the Apollonius Circle and the Circumcircle.

The Outer Kenmotu Point lies on the Line through the External Center of Similitude of the Apollonius Circle and the Circumcircle and the Internal Center of Similitude of the Apollonius Circle and the Circumcircle.

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.

References

1. Quim Castellsaguer, The Triangles Web, http://www.xtec.es/~qcastell/ttw/ttweng/portada.html
2. D. Dekov, Computer-Generated Encyclopedia of Euclidean Geometry, First Edition, 2006, http://www.dekovsoft.com/
3. C. Kimberling, Encyclopedia of Triangle Centers, http://faculty.evansville.edu/ck6/encyclopedia/
4. Eric W. Weisstein, MathWorld - A Wolfram Web Resource. http://mathworld.wolfram.com/
5. Paul Yiu, Introduction to the Geometry of the Triangle, 2001, http://www.math.fau.edu/yiu/geometry.html

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