

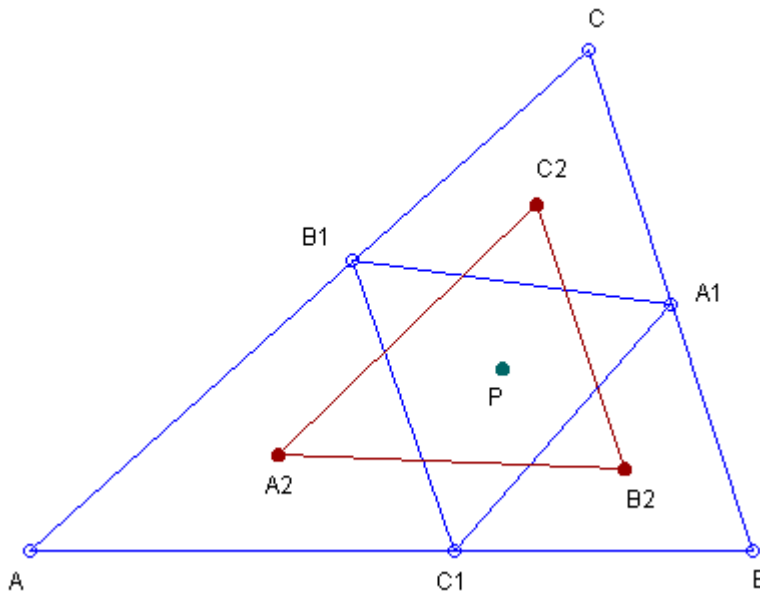
## Corner Triangles

Deko Dekov

**Abstract.** By using the computer program "Machine for Questions and Answers", we study perspectors of basic triangles and triangles of triangle centers of corner triangles.

Given a triangle  $ABC$  and a triangle center of kind 1, labeled by  $P$ . Let  $A_1B_1C_1$  be the cevian triangle of  $P$ . Construct triangle centers  $A_2, B_2, C_2$  of kind 2 (possibly different from the kind 1) of triangles  $AB_1C_1, BC_1A_1, CA_1B_1$ , respectively. We call triangle  $A_2B_2C_2$  the *Triangle of the Triangle Centers of kind 2 of the Corner Triangles of the Triangle Center of kind 1*.

See the Figure:



$P$  - Triangle Center of kind 1;

$A_1B_1C_1$  - cevian triangle of  $P$ ;

$A_2, B_2, C_2$  - Triangle Centers of kind 2 of triangles  $AB_1C_1, BC_1A_1, CA_1B_1$ , respectively;

$A_2B_2C_2$  - Triangle of the Triangle Centers of kind 2 of the Corner Triangles of the Triangle Center of kind 1.

In this Figure:  $P$  - Incenter;

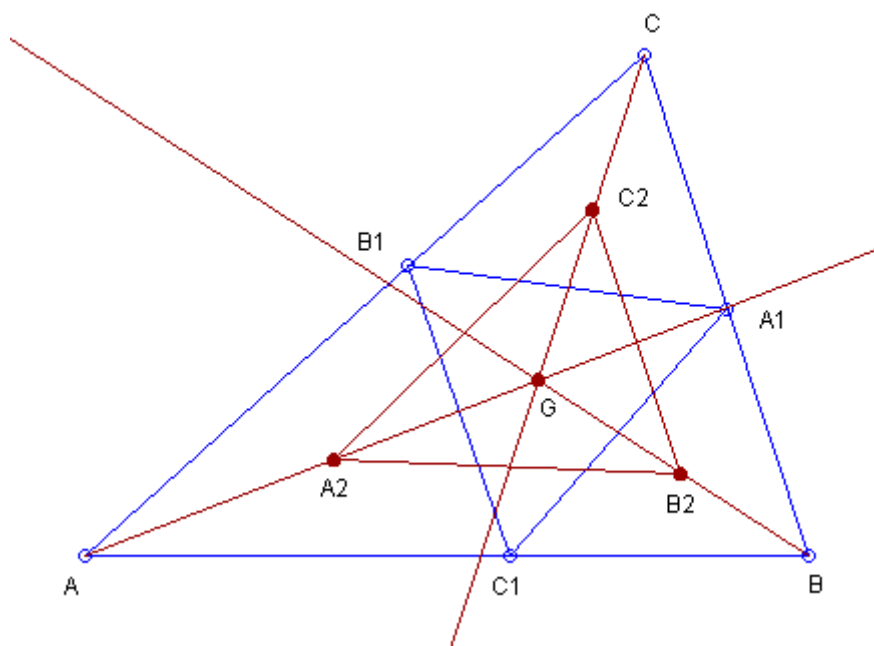
$A_1B_1C_1$  - cevian triangle of  $P$  = Incentral Triangle;

$A_2, B_2, C_2$  - Centroids of triangles  $AB_1C_1, BC_1A_1, CA_1B_1$ , respectively;  
 $A_2B_2C_2$  - Triangle of the Centroids of the Corner Triangles of the Incenter.

A few results related to perspectors between basic triangles and corner triangles are known (the reader is invited to submit a note/paper with additional references). E.g. (see Castellsaguer [1])

Triangle  $ABC$  and the Triangle of the Centroids of the Corner Triangles of the Incenter are perspective with perspector the Grinberg Point.

See the Figure:



$A_1B_1C_1$  - Incentral Triangle;  
 $A_2B_2C_2$  - Triangle of the Centroids of the Corner Triangles of the Incenter.  
 $G$  - perspector of triangles  $ABC$  and  $A_2B_2C_2$  = Grinberg Point.

### Examples

The Machine for Questions and Answers produces examples of perspectors between triangles and Corner triangles. A few examples are given below.

Triangle  $ABC$  and the Triangle of the Incenters of the Corner Triangles of the Incenter are perspective with perspector the Incenter.

Triangle  $ABC$  and the Triangle of the Centroids of the Corner Triangles of the Incenter are perspective with perspector the Grinberg Point.

Triangle  $ABC$  and the Triangle of the Symmedian Points of the Corner Triangles of the

Incenter are perspective with perspector the Isogonal Conjugate of the Grinberg Point.

Triangle ABC and the Triangle of the Symmedian Points of the Corner Triangles of the Prasolov Point are perspective with perspector the Perspector of Triangle ABC and the Symmedian Triangle of the Orthic Triangle.

Triangle ABC and the Triangle of the Centroids of the Corner Triangles of the Nagel Point are perspective with perspector the Mittenpunkt.

Triangle ABC and the Triangle of the Circumcenters of the Corner Triangles of the Nagel Point are homothetic with homothetic center the Bevan Point.

Triangle ABC and the Triangle of the Symmedian Points of the Corner Triangles of the Nagel Point are perspective with perspector the Isogonal Conjugate of the Mittenpunkt.

Triangle ABC and the Triangle of the Incenters of the Corner Triangles of the Orthocenter are perspective with perspector the Incenter.

Triangle ABC and the Triangle of the Centroids of the Corner Triangles of the Orthocenter are perspective with perspector the Symmedian Point.

Triangle ABC and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are homothetic with homothetic center the Orthocenter.

Triangle ABC and the Triangle of the Orthocenters of the Corner Triangles of the Orthocenter are perspective with perspector the Circumcenter.

Triangle ABC and the Triangle of the Nine-Point Centers of the Corner Triangles of the Orthocenter are perspective with perspector the Kosnita Point.

Triangle ABC and the Triangle of the Symmedian Points of the Corner Triangles of the Orthocenter are perspective with perspector the Centroid.

Triangle ABC and the Triangle of the Gergonne Points of the Corner Triangles of the Orthocenter are perspective with perspector the Internal Center of Similitude of the Incircle and the Circumcircle.

Triangle ABC and the Triangle of the Nagel Points of the Corner Triangles of the Orthocenter are perspective with perspector the External Center of Similitude of the Incircle and the Circumcircle.

Triangle ABC and the Triangle of the Mittenpunkts of the Corner Triangles of the Orthocenter are perspective with perspector the Isogonal Conjugate of the Mittenpunkt.

Triangle ABC and the Triangle of the Spieker Centers of the Corner Triangles of the Orthocenter are perspective with perspector the Isogonal Conjugate of the Spieker Center.

Triangle ABC and the Triangle of the Outer Fermat Points of the Corner Triangles of the Orthocenter are perspective with perspector the First Isodynamic Point.

Triangle ABC and the Triangle of the Inner Fermat Points of the Corner Triangles of the Orthocenter are perspective with perspector the Second Isodynamic Point.

Triangle ABC and the Triangle of the First Isodynamic Points of the Corner Triangles of the Orthocenter are perspective with perspector the Outer Fermat Point.

Triangle ABC and the Triangle of the Second Isodynamic Points of the Corner Triangles of the Orthocenter are perspective with perspector the Inner Fermat Point.

Triangle ABC and the Triangle of the Schiffler Points of the Corner Triangles of the Orthocenter are perspective with perspector the Orthocenter of the Intouch Triangle.

Triangle ABC and the Triangle of the Gibert Points of the Corner Triangles of the Orthocenter are perspective with perspector the Prasolov Point.

Triangle ABC and the Triangle of the Second Power Points of the Corner Triangles of the Orthocenter are perspective with perspector the Isotomic Conjugate of the Incenter.

Triangle ABC and the Triangle of the Third Power Points of the Corner Triangles of the Orthocenter are perspective with perspector the Isotomic Conjugate of the Symmedian Point.

Triangle ABC and the Triangle of the Grinberg Points of the Corner Triangles of the Orthocenter are perspective with perspector the Isogonal Conjugate of the Grinberg Point.

Triangle ABC and the Triangle of the Kosnita Points of the Corner Triangles of the Orthocenter are perspective with perspector the Nine-Point Center.

Triangle ABC and the Triangle of the Internal Centers of Similitude of the Incircles and the Circumcircles of the Corner Triangles of the Orthocenter are perspective with perspector the Gergonne Point.

Triangle ABC and the Triangle of the External Centers of Similitude of the Incircles and the Circumcircles of the Corner Triangles of the Orthocenter are perspective with perspector the Nagel Point.

Triangle ABC and the Triangle of the Prasolov Points of the Corner Triangles of the Orthocenter are perspective with perspector the Gibert Point.

Triangle ABC and the Triangle of the Congruent Isoscelizers Points of the Corner Triangles of the Orthocenter are perspective with perspector the Perspector of Triangle ABC and the Extouch Triangle of the Intouch Triangle.

Triangle ABC and the Triangle of the Inner Kenmotu Points of the Corner Triangles of the Orthocenter are perspective with perspector the Outer Vecten Point.

Triangle ABC and the Triangle of the Outer Kenmotu Points of the Corner Triangles of the Orthocenter are perspective with perspector the Inner Vecten Point.

Triangle ABC and the Triangle of the Outer Vecten Points of the Corner Triangles of the

Orthocenter are perspective with perspector the Inner Kenmotu Point.

Triangle ABC and the Triangle of the Inner Vecten Points of the Corner Triangles of the Orthocenter are perspective with perspector the Outer Kenmotu Point.

Triangle ABC and the Triangle of the First Brocard Points of the Corner Triangles of the Orthocenter are perspective with perspector the Second Brocard Point.

Triangle ABC and the Triangle of the Second Brocard Points of the Corner Triangles of the Orthocenter are perspective with perspector the First Brocard Point.

Triangle ABC and the Triangle of the Incenters of the Corner Triangles of the Symmedian Point are perspective with perspector the Incenter.

Triangle ABC and the Triangle of the Centroids of the Corner Triangles of the Symmedian Point are perspective with perspector the Brocard Midpoint.

Triangle ABC and the Triangle of the Second Isodynamic Points of the Corner Triangles of the Outer Fermat Point are perspective with perspector the First Isodynamic Point.

Triangle ABC and the Triangle of the Inner Napoleon Points of the Corner Triangles of the Outer Fermat Point are perspective with perspector the Outer Napoleon Point.

The Medial Triangle and the Triangle of the Incenters of the Corner Triangles of the Centroid are homothetic with homothetic center the Complement of the Spieker Center.

The Medial Triangle and the Triangle of the Centroids of the Corner Triangles of the Centroid are homothetic with homothetic center the Centroid.

The Medial Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Centroid are homothetic with homothetic center the Complement of the Nine-Point Center.

The Medial Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Centroid are homothetic with homothetic center the Nine-Point Center.

The Medial Triangle and the Triangle of the Gergonne Points of the Corner Triangles of the Centroid are homothetic with homothetic center the Complement of the Mittenpunkt.

The Medial Triangle and the Triangle of the Nagel Points of the Corner Triangles of the Centroid are homothetic with homothetic center the Spieker Center.

The Medial Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid are homothetic with homothetic center the Circumcenter.

The Medial Triangle and the Triangle of the Bevan Points of the Corner Triangles of the Centroid are homothetic with homothetic center the Midpoint of the Circumcenter and the Spieker Center.

The Medial Triangle and the Triangle of the Equal Parallelians Points of the Corner

Triangles of the Centroid are homothetic with homothetic center the Grinberg Point.

The Medial Triangle and the Triangle of the Centers of the Fuhrmann Circles of the Corner Triangles of the Centroid are homothetic with homothetic center the Midpoint of the Nine-Point Center and the Spieker Center.

The Medial Triangle and the Triangle of the Centers of the Orthocentroidal Circles of the Corner Triangles of the Centroid are homothetic with homothetic center the Midpoint of the Centroid and the Nine-Point Center.

The Medial Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are homothetic with homothetic center the Nine-Point Center.

The Medial Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Orthocenter are perspective with perspector the Centroid.

The Medial Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Gergonne Point are homothetic with homothetic center the Complement of the Spieker Center.

The Medial Triangle and the Triangle of the First Feuerbach Points of the Corner Triangles of the Gergonne Point are perspective with perspector the Complement of the Mittenpunkt.

The Medial Triangle and the Triangle of the Kiepert Centers of the Corner Triangles of the Gergonne Point are perspective with perspector the Complement of the Mittenpunkt.

The Medial Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Nagel Point are homothetic with homothetic center the Midpoint of the Circumcenter and the Spieker Center.

The Medial Triangle and the Triangle of the Spieker Centers of the Corner Triangles of the Nagel Point are perspective with perspector the Spieker Center.

The Medial Triangle and the Triangle of the Orthocenters of the Corner Triangles of the de Longchamps Point are perspective with perspector the Orthocenter.

The Orthic Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Centroid are perspective with perspector the Orthocenter.

The Orthic Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are perspective with perspector the Orthocenter.

The Orthic Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Orthocenter are homothetic with homothetic center the Center of the Taylor Circle.

The Symmedian Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Centroid are perspective with perspector the Symmedian Point.

The Symmedian Triangle and the Triangle of the Centroids of the Corner Triangles of the

Orthocenter are perspective with perspector the Symmedian Point.

The Intouch Triangle and the Triangle of the Gergonne Points of the Corner Triangles of the Centroid are perspective with perspector the Gergonne Point.

The Intouch Triangle and the Triangle of the Internal Centers of Similitude of the Incircles and the Circumcircles of the Corner Triangles of the Orthocenter are perspective with perspector the Gergonne Point.

The Intouch Triangle and the Triangle of the Incenters of the Corner Triangles of the Gergonne Point are perspective with perspector the Incenter of the Intouch Triangle.

The Intouch Triangle and the Triangle of the First Feuerbach Points of the Corner Triangles of the Gergonne Point are homothetic with homothetic center the Weill Point.

The Intouch Triangle and the Triangle of the Kiepert Centers of the Corner Triangles of the Gergonne Point are homothetic with homothetic center the Weill Point.

The Extouch Triangle and the Triangle of the Nagel Points of the Corner Triangles of the Centroid are perspective with perspector the Nagel Point.

The Extouch Triangle and the Triangle of the External Centers of Similitude of the Incircles and the Circumcircles of the Corner Triangles of the Orthocenter are perspective with perspector the Nagel Point.

The Excentral Triangle and the Triangle of the Incenters of the Corner Triangles of the First Beltrami Point are perspective with perspector the Incenter.

The Anticomplementary Triangle and the Triangle of the Centroids of the Corner Triangles of the Centroid are homothetic with homothetic center the Centroid.

The Anticomplementary Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Centroid are homothetic with homothetic center the Skordev Point.

The Anticomplementary Triangle and the Triangle of the Spieker Centers of the Corner Triangles of the Centroid are homothetic with homothetic center the Internal Center of Similitude of the Bevan Circle and the Nine-Point Circle.

The Anticomplementary Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are homothetic with homothetic center the Skordev Point.

The Anticomplementary Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Orthocenter are perspective with perspector the Centroid.

The Anticomplementary Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Orthocenter are perspective with perspector the Orthocenter.

The Anticomplementary Triangle and the Triangle of the Nagel Points of the Corner Triangles of the Nagel Point are perspective with perspector the Nagel Point.

The Tangential Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Centroid are perspective with perspector the Symmedian Point.

The Tangential Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid are perspective with perspector the Circumcenter.

The Tangential Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Circumcenter are perspective with perspector the Orthocenter.

The Tangential Triangle and the Triangle of the Centroids of the Corner Triangles of the Orthocenter are perspective with perspector the Symmedian Point.

The Circum-Incentral Triangle and the Triangle of the Incenters of the Corner Triangles of the First Beltrami Point are perspective with perspector the Incenter.

The Circum-Medial Triangle and the Triangle of the Centroids of the Corner Triangles of the Centroid are perspective with perspector the Centroid.

The Circum-Medial Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Orthocenter are perspective with perspector the Centroid.

The Circum-Orthic Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Centroid are perspective with perspector the Orthocenter.

The Circum-Orthic Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are perspective with perspector the Orthocenter.

The Euler Triangle and the Triangle of the Incenters of the Corner Triangles of the Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the First Isodynamic Points of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Second Isodynamic Points of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Third Power Points of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Moses Points of the Corner Triangles of the Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Brocard Midpoints of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Bevan Points of the Corner Triangles of the



Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Internal Centers of Similitude of the Incircles and the Circumcircles of the Corner Triangles of the Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the External Centers of Similitude of the Incircles and the Circumcircles of the Corner Triangles of the Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Centers of the Brocard Circles of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Schoute Centers of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Weill Points of the Corner Triangles of the Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Inner Kenmotu Points of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Outer Kenmotu Points of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Centers of the Taylor Circles of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Evans Pectors of the Corner Triangles of the Orthocenter are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Centers of the Apollonius Circles of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Radical Centers of the Lucas Circles of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Danneels-Apollonius Pectors of the Corner Triangles of the Orthocenter are perspective with perspector the Kiepert Center.

The Euler Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Gergonne Point are perspective with perspector the First Feuerbach Point.

The Euler Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Nagel Point are perspective with perspector the First Feuerbach Point.

The Feuerbach Triangle and the Triangle of the Second Feuerbach Points of the Corner Triangles of the Centroid are perspective with perspector the Second Feuerbach Point.

The Extangents Triangle and the Triangle of the Schiffler Points of the Corner Triangles of

the Orthocenter are perspective with perspector the Orthocenter of the Intouch Triangle.

The Fuhrmann Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid are perspective with perspector the Circumcenter.

The Fuhrmann Triangle and the Triangle of the Nagel Points of the Corner Triangles of the Nagel Point are perspective with perspector the Nagel Point.

The Reflection Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Centroid are perspective with perspector the Orthocenter.

The Reflection Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are perspective with perspector the Orthocenter.

The First Brocard Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid are perspective with perspector the Circumcenter.

The First Brocard Triangle and the Triangle of the Third Power Points of the Corner Triangles of the Orthocenter are perspective with perspector the Isotomic Conjugate of the Symmedian Point.

The Second Brocard Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Centroid are perspective with perspector the Symmedian Point.

The Second Brocard Triangle and the Triangle of the Centroids of the Corner Triangles of the Orthocenter are perspective with perspector the Symmedian Point.

The Third Brocard Triangle and the Triangle of the Third Power Points of the Corner Triangles of the Centroid are perspective with perspector the Third Power Point.

The Fourth Brocard Triangle and the Triangle of the Centroids of the Corner Triangles of the Centroid are perspective with perspector the Centroid.

The Fourth Brocard Triangle and the Triangle of the Symmedian Points of the Corner Triangles of the Orthocenter are perspective with perspector the Centroid.

The de Villiers Triangle and the Triangle of the First de Villiers Points of the Corner Triangles of the Centroid are perspective with perspector the First de Villiers Point.

The Lucas Central Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Centroid are perspective with perspector the Circumcenter.

The Lucas Central Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Orthocenter are perspective with perspector the Circumcenter.

The Neuberg Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid are perspective with perspector the Circumcenter.

The Reflected Neuberg Triangle and the Triangle of the de Longchamps Points of the

Corner Triangles of the Centroid are perspective with perspector the Circumcenter.

The Hexyl Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Incenter are perspective with perspector the Orthocenter.

The Hexyl Triangle and the Triangle of the Incenters of the Corner Triangles of the Orthocenter are homothetic with homothetic center the Isogonal Conjugate of the Mittenpunkt.

The Hexyl Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Gergonne Point are homothetic with homothetic center the Isogonal Conjugate of the Mittenpunkt.

The Hexyl Triangle and the Triangle of the Bevan Points of the Corner Triangles of the Nagel Point are perspective with perspector the Bevan Point.

The Johnson Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Centroid are homothetic with homothetic center the Centroid.

The Johnson Triangle and the Triangle of the Orthocenters of the Corner Triangles of the Centroid are homothetic with homothetic center the Center of the Orthocentroidal Circle.

The Johnson Triangle and the Triangle of the Nine-Point Centers of the Corner Triangles of the Centroid are homothetic with homothetic center the Nine-Point Center.

The Johnson Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Centroid are homothetic with homothetic center the Circumcenter.

The Johnson Triangle and the Triangle of the Circumcenters of the Corner Triangles of the Orthocenter are homothetic with homothetic center the Center of the Orthocentroidal Circle.

The Johnson Triangle and the Triangle of the de Longchamps Points of the Corner Triangles of the Orthocenter are perspective with perspector the Orthocenter.

The Johnson Triangle and the Triangle of the Kosnita Points of the Corner Triangles of the Orthocenter are perspective with perspector the Nine-Point Center.

The Johnson Triangle and the Triangle of the Centers of the Fuhrmann Circles of the Corner Triangles of the Nagel Point are perspective with perspector the Fuhrmann Center.

The Apollonius Triangle and the Triangle of the Apollonius Points of the Corner Triangles of the Centroid are perspective with perspector the Apollonius Point.

### **Invitation**

The reader is invited to submit a note/paper containing synthetic proofs of results from the above list.

### **Definitions**

We use the definitions in accordance with [1 - 6].

### **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. D. Dekov, Triangulation Triangles, Journal of Computer-Generated Euclidean Geometry, volume 2, 2007, <http://www.dekovsoft.com/j/>
4. C. Kimberling, Encyclopedia of Triangle Centers, <http://faculty.evansville.edu/ck6/encyclopedia/>
5. Eric W. Weisstein, MathWorld - A Wolfram Web Resource. <http://mathworld.wolfram.com/>
6. Paul Yiu, Introduction to the Geometry of the Triangle, 2001, <http://www.math.fau.edu/yiu/geometry.html>

Publication Date: 8 November 2007

Dr.Deko Dekov, [ddekov@dekovsoft.com](mailto:ddekov@dekovsoft.com).