

Spieker Center

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

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 Spieker Center:

Spieker Center = Center of the Taylor Circle of the Excentral Triangle.

Spieker Center = Incenter of the Pedal Triangle of the Circumcenter.

Spieker Center = Center of the Taylor Circle of the Antipedal Triangle of the Incenter.

Spieker Center = Bevan Point of the Euler Triangle.

Spieker Center = Center of the Spieker Circle.

Spieker Center = Center of the Radical Circle of the Excircles.

Spieker Center = Center of the Conway Circle of the Medial Triangle.

Spieker Center = Center of the Hexyl Circle of the Medial Triangle.

Spieker Center = Center of the Adams Circle of the Medial Triangle.

Spieker Center = Center of the Incircle of the Pedal Triangle of the Circumcenter.

Spieker Center = Center of the Conway Circle of the Pedal Triangle of the Circumcenter.

Spieker Center = Center of the Hexyl Circle of the Pedal Triangle of the Circumcenter.

Spieker Center = Center of the Adams Circle of the Pedal Triangle of the Circumcenter.

Spieker Center = Center of the Bevan Circle of the Euler Triangle.

Spieker Center = Center of the Taylor Circle of the Excentral Triangle.

Spieker Center = Center of the Taylor Circle of the Antipedal Triangle of the Incenter.

Spieker Center = Midpoint between the Incenter and the Nagel Point.

Spieker Center = Midpoint between the Circumcenter and the Fuhrmann Center.

Spieker Center = Midpoint between the Bevan Point and the Orthocenter.

Spieker Center = Midpoint between the Midpoint of the Centroid and the Nagel Point and the Centroid.

Spieker Center = Midpoint between the Midpoint of the Circumcenter and the Nagel Point and the Nine-Point Center.

Spieker Center = Midpoint between the Midpoint of the Gergonne Point and the Nagel Point and the Mittenpunkt.

Spieker Center = Midpoint between the Midpoint of the Nagel Point and the Symmedian Point and the Symmedian Point of the Medial Triangle.

Spieker Center = Midpoint between the Midpoint of the Nagel Point and the Nine-Point Center and the Complement of the Nine-Point Center.

Spieker Center = Midpoint between the Midpoint of the Mittenpunkt and the Nagel Point and the Complement of the Mittenpunkt.

Spieker Center = Reflection of the Incenter in the Complement of the Spieker Center.

Spieker Center = Product of the Centroid and the Spieker Center.

Spieker Center = Product of the Grünberg Point and the Isotomic Conjugate of the Incenter.

Spieker Center = Product of the Centroid of the Extouch Triangle and the Isotomic Conjugate of the Mittenpunkt.

Spieker Center = Internal Center of Similitude of the Apollonius Circle and the Nine-Point Circle.

Spieker Center = Internal Center of Similitude of the Radical Circle of the Excircles and the Spieker Circle.

Spieker Center = Internal Center of Similitude of the Apollonius Circle and the Circumcircle of the Medial Triangle.

Spieker Center = Internal Center of Similitude of the Apollonius Circle and the Bevan Circle of the Medial Triangle.

Spieker Center = Internal Center of Similitude of the Apollonius Circle and the Circumcircle of the Orthic Triangle.

Spieker Center = Internal Center of Similitude of the Radical Circle of the Excircles and the Incircle of the Medial Triangle.

Spieker Center = Internal Center of Similitude of the Radical Circle of the Excircles and the Conway Circle of the Medial Triangle.

Spieker Center = Internal Center of Similitude of the Radical Circle of the Excircles and the Hexyl Circle of the Medial Triangle.

Spieker Center = Internal Center of Similitude of the Radical Circle of the Excircles and the Adams Circle of the Medial Triangle.

Spieker Center = External Center of Similitude of the Radical Circle of the Excircles and the Spieker Circle.

Spieker Center = External Center of Similitude of the Nine-Point Circle and the Bevan Circle of the Medial Triangle.

Spieker Center = External Center of Similitude of the Radical Circle of the Excircles and the Incircle of the Medial Triangle.

Spieker Center = External Center of Similitude of the Radical Circle of the Excircles and the Hexyl Circle of the Medial Triangle.

Spieker Center = External Center of Similitude of the Radical Circle of the Excircles and the Adams Circle of the Medial Triangle.

Spieker Center = Radical Center of the Excircles.

Spieker Center = Radical Center of the Soddy Circles of the Medial Triangle.

Spieker Center = Radical Center of the Soddy Circles of the Pedal Triangle of the Circumcenter.

Spieker Center = Perspector of the Medial Triangle and the Anticevian Triangle of the Grinberg Point.

Spieker Center = Perspector of the Cevian Triangle of the Spieker Center and the Anticevian Triangle of the Spieker Center.

Spieker Center = Perspector of the Cevian Triangle of the Spieker Center and the Circumcevian Triangle of the Spieker Center.

Spieker Center = Perspector of the Anticevian Triangle of the Grinberg Point and the Pedal Triangle of the Circumcenter.

Spieker Center = Perspector of the Anticevian Triangle of the Spieker Center and the Circumcevian Triangle of the Spieker Center.

Spieker Center = Perspector of the Feuerbach Triangle and the Apollonius Triangle.

Spieker Center = Perspector of the Apollonius Triangle and the Feuerbach Triangle.

Spieker Center = Homothetic Center of Triangle ABC and the Triangle of the Centroids of the Triangulation Triangles of the Nagel Point.

Spieker Center = Homothetic Center of Triangle ABC and the Triangle of the Spieker Centers of the Corner Triangles of the Centroid.

Spieker Center = Homothetic Center of Triangle ABC and the Triangle of the Orthocenters of the Anticevian Corner Triangles of the Incenter.

Spieker Center = Homothetic Center of Triangle ABC and the Triangle of the Incenters of the Anticevian Corner Triangles of the Centroid.

Spieker Center = Homothetic Center of Triangle ABC and the Triangle of the reflections of the Incenter in the vertices of the Medial Triangle.

Spieker Center = Perspector of Triangle ABC and the Triangle of the reflections of the Spieker Center in the vertices of the Cevian Triangle of the Spieker Center.

Spieker Center = Perspector of Triangle ABC and the Triangle of the reflections of the Spieker Center in the vertices of the Anticevian Triangle of the Spieker Center.

Spieker Center = Perspector of Triangle ABC and the Triangle of the reflections of the vertices of the Cevian Triangle of the Spieker Center in the Spieker Center.

Spieker Center = Perspector of Triangle ABC and the Triangle of the reflections of the vertices of the Anticevian Triangle of the Spieker Center in the Spieker Center.

Spieker Center = Complement of the Incenter.

Spieker Center = Complement of the Complement of the Nagel Point.

Spieker Center = Complement of the Isogonal Conjugate of the Incenter.

Spieker Center = Complement of the Nagel Point of the Medial Triangle.

Spieker Center = Anticomplement of the Spieker Center of the Medial Triangle.

Spieker Center = Complement of the Isogonal Conjugate of the Nagel Point of the Medial Triangle.

Spieker Center = Complement of the Isotomic Conjugate of the Equal Parallelisms Point of the Medial Triangle.

The Spieker Center lies on the Nine-Point Circle of the Fuhrmann Triangle.

The Spieker Center lies on the Taylor Circle of the Excentral Triangle.

The Spieker Center lies on the Taylor Circle of the Antipedal Triangle of the Incenter.

The Spieker Center lies on the Inner Apollonius Circle of the Excircles of the Fuhrmann Triangle.

The Spieker Center lies on the Line through the Incenter and the Nagel Point.

The Spieker Center lies on the Line through the Centroid and the Incenter.

The Spieker Center lies on the Line through the Centroid and the Nagel Point.

The Spieker Center lies on the Line through the Circumcenter and the Fuhrmann Center.

The Spieker Center lies on the Line through the Mittenpunkt and the Orthocenter.

The Spieker Center lies on the Line through the Clawson Point and the Orthocenter.

The Spieker Center lies on the Line through the Clawson Point and the Mittenpunkt.

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 and Conventions

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

References

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