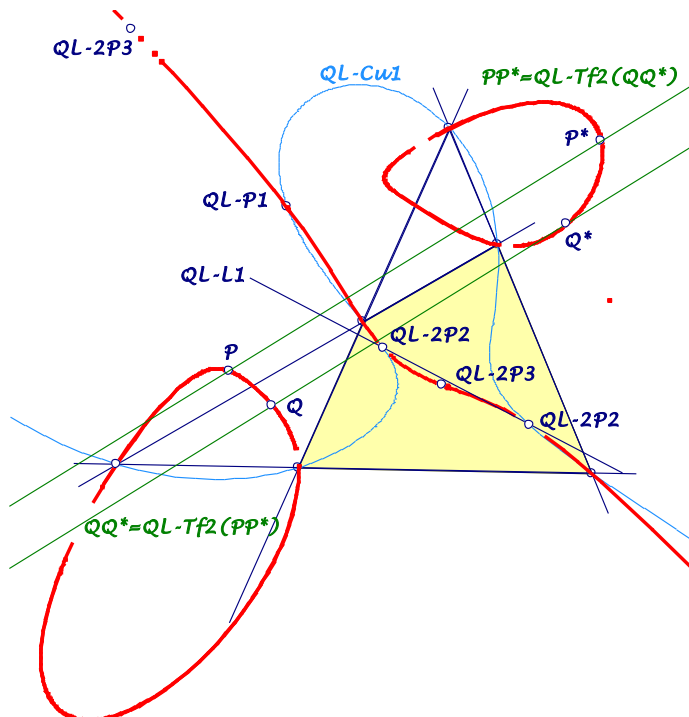


Background for these notes is:
 Chris van Tienhoven: Encyclopedia of Quadri-Figures
<http://www.chrisvantienvhoven.nl/>

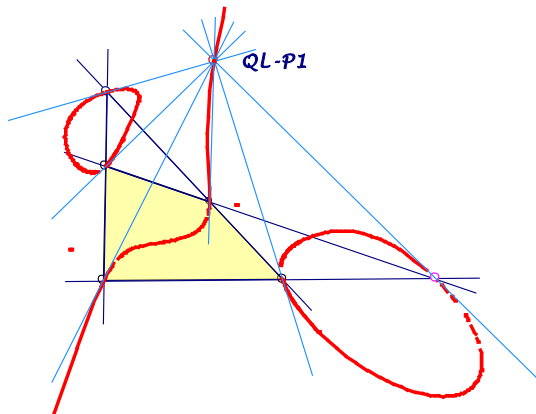
QL-Quintic

The cubic $QL-Cu1$ is the locus of $QL-Tf1$ -partners X, X^* , with the property: XX^* orthogonal $QL-Tf2(XX^*)$ (see #1297). What about the locus of $QL-Tf1$ -partners with the property: XX^* parallel $QL-Tf2(XX^*)$?

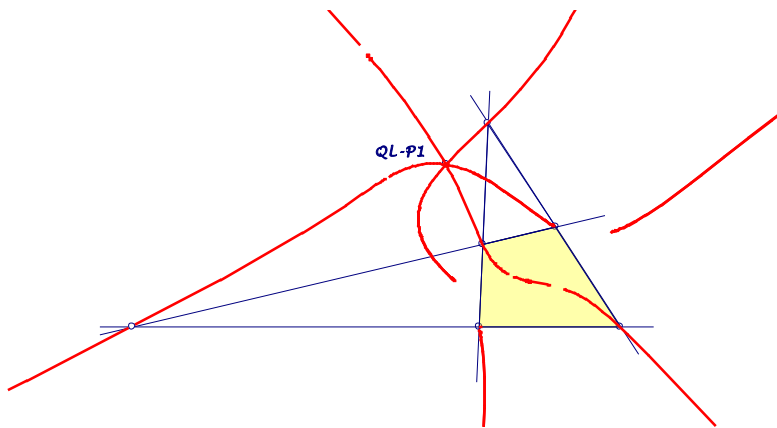


- The locus of $QL-Tf1$ -partners X, X^* with XX^* parallel $QL-Tf2(XX^*)$ is a quintic, locus of the $QL-Tf1$ -partners on the $QL-Tf2$ -images of the asymptotes of QL -inscribed conics.
- The quintic is $QL-Tf1$ -invariant (evident).
- Following points lie on the quintic:
 - ... the 6 intersections of the QL -lines,
 - ... the Miquel point $QL-P1$,
 - ... the intersections $QL-2P2$ of $QL-L1$ and $QL-Cu1$,
 - ... the fixed points $QL-2P3$ of $QL-Tf1$,
 - ... the $QL-Tf1$ -partners on the QL -lines,
 - ... the $QL-Tf1$ -partners on the sidelines of the anticomplement triangle of $QL-Tr1$.

- The tangents at the quintic in the 6 intersections of QL -lines intersect in the Miquel point $QL-P1$.



Final remark: $QL-P1$ can be a triple point of the quintic.



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