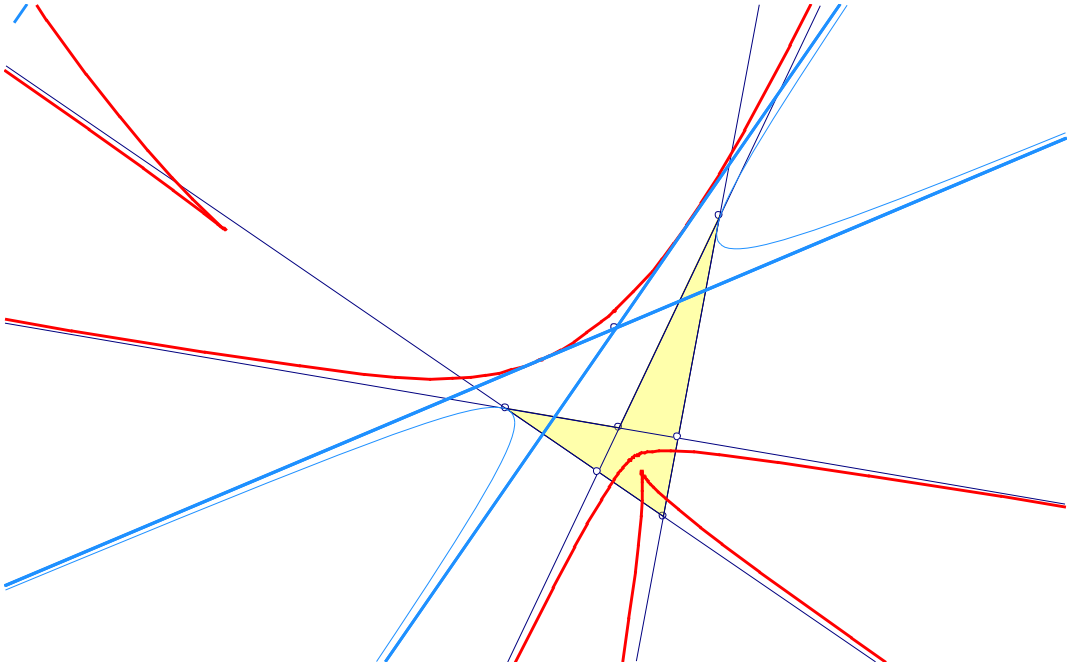
EQF-Note 2017-01-12

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

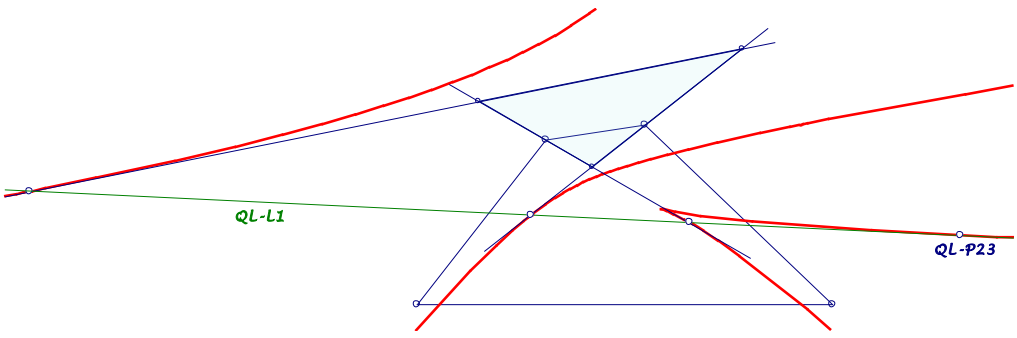
Asymptotes of *QL*-Inscribed Hyperbolas

The asymptotes of QL-iscribed hyperbolas envelop a sextic, which is the envelop of tripolars of points on a pivotal isocubic of the dual quadrangle.



Here some *CABRI*-observations wrt asymptotes of *QL*-inscribed hyperbolas:

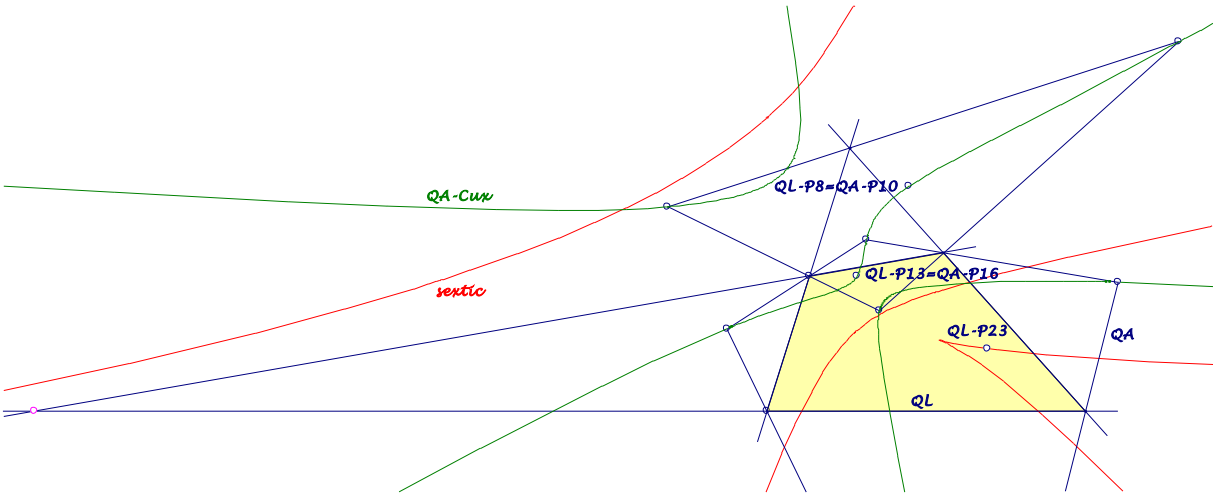
- **The asymptotes of *QL*-inscribed hyperbolas envelop a sextic.**
- **The asymptotes of the sextic are the *QL*-lines.**
- **The sextic is tangent to the *QL-DT*-sidelines … in the intersections with *QL-L1*.**



- **The sextic is tangent to the Newton line in *QL-P23*.**

- **The tripols of the asymptotes give a pivotal isocubic *QA-Cux* for the dual quadrangle:**
  … reference triangle: *QA/QL* diagonal triangle,
  … isoconjugation: *QA-Tf2*,
  … pivot: *QA-P16* = *QL-P13*.

- **The sextic is the envelop of *QA-DT*-tripolars of points on *QA-Cux*.**



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