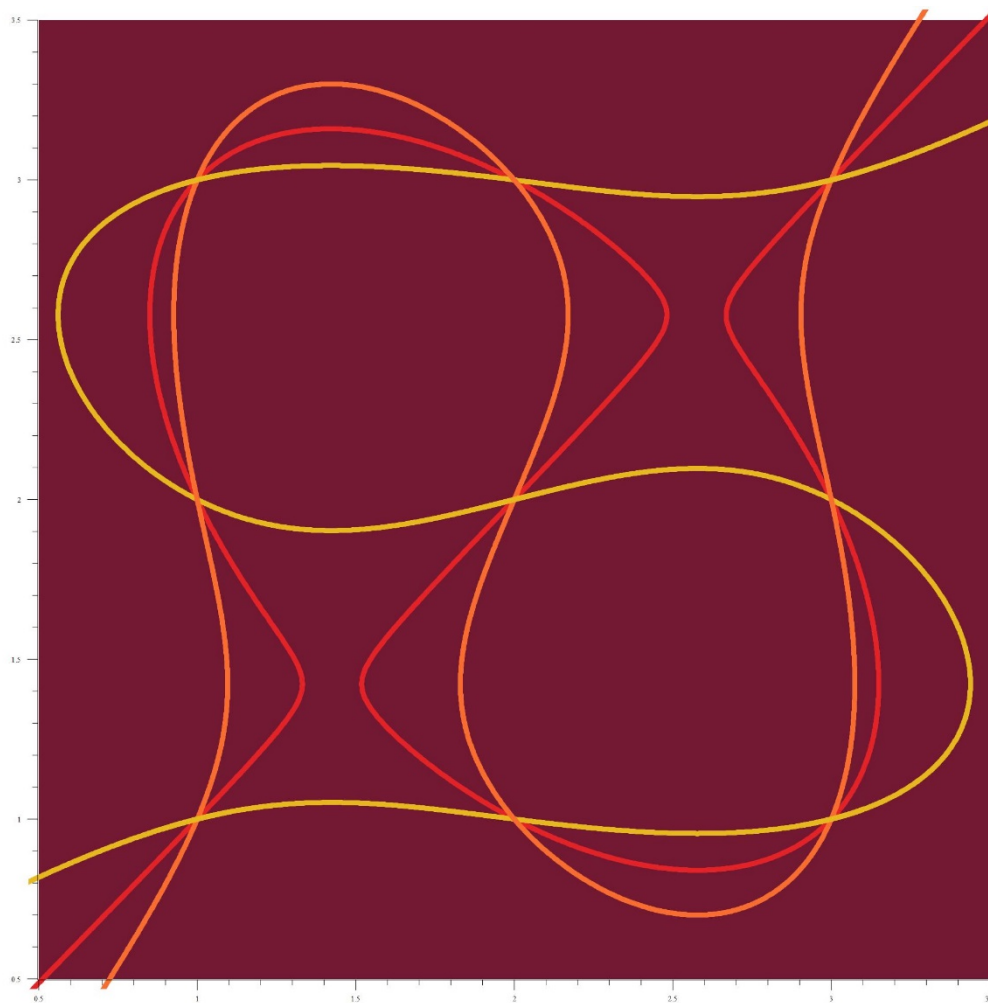


Eight implies nine



Eight implies nine is a statement about cubic curves known as the Cayley–Bacharach theorem. A cubic curve which goes through eight given points also goes through a ninth point which depends only on the eight points given.

It follows that whenever two (or more) cubic curves meet in eight points, then they also meet in a ninth point.