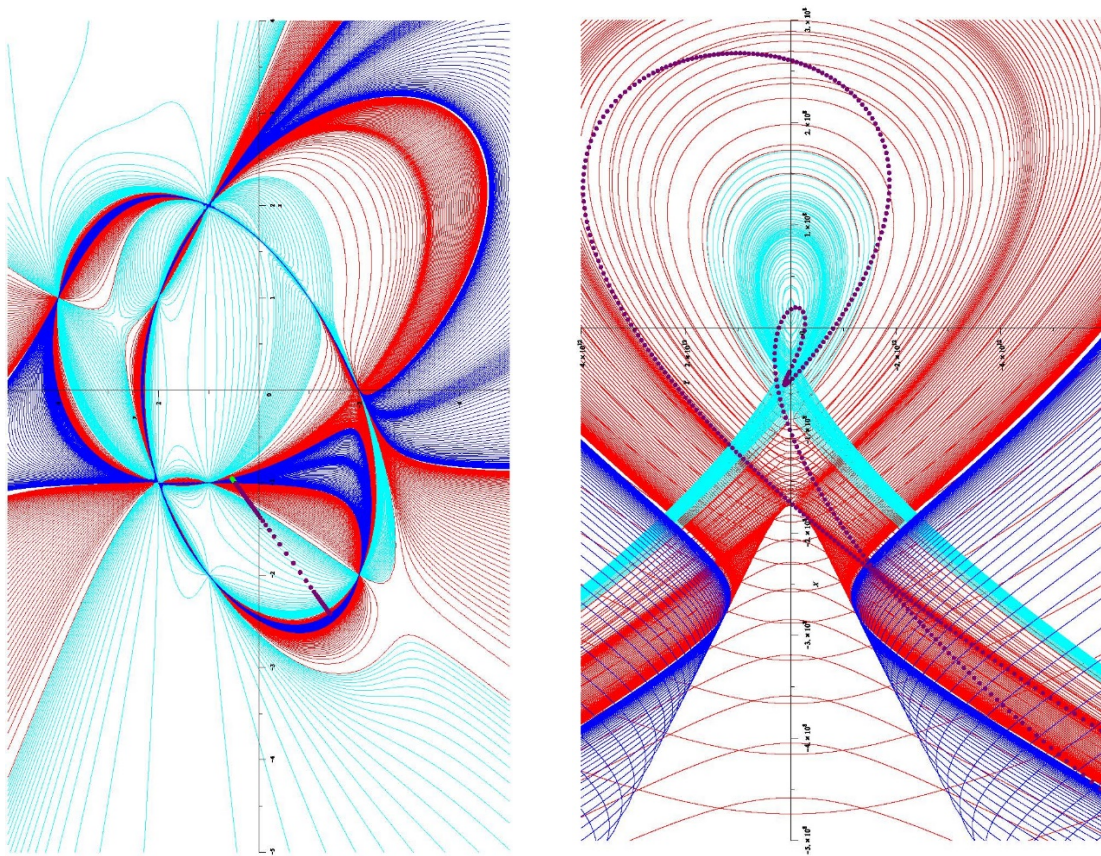


Involution curve



Involution curve was made for Reinout Quispel's Liber Amicorum. At the time not much was known about involution curves. The starting point is a double base point of the quartic pencil depicted on the left. This is a point that is visited twice by every curve, and it can be used to define an involution, i.e. a map which brings you back where you came from if applied twice. By a birational transformation each of the curves were put into Weierstrass form. These are the cubic curves in the picture on the right. The involution defined by the involution point becomes an involution with an involution curve. Involution curve intersects each Weierstrass curve exactly once, in an involution point which 'moves' from curve to curve.