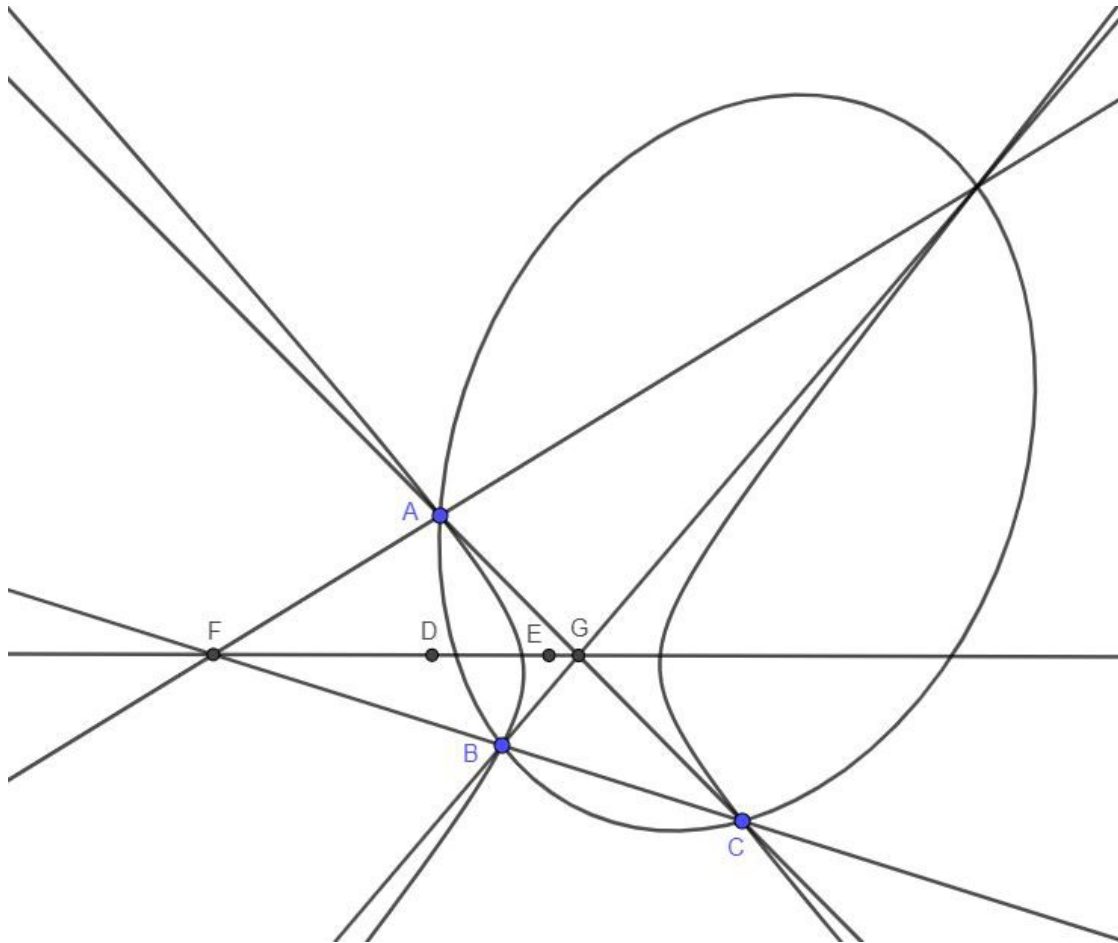


# Conics

Given two conics and three points where they intersect, the question is:  
how to find the fourth intersection point as the intersection of two lines.



Let A,B,C be three intersection points of two conics

Let D and E be the polars of the line AB with respect to the conics

With F the intersection of BC and DE and G intersection of AC and DE

then the fourth intersection point of the two conics

is the intersection of AF and BG.