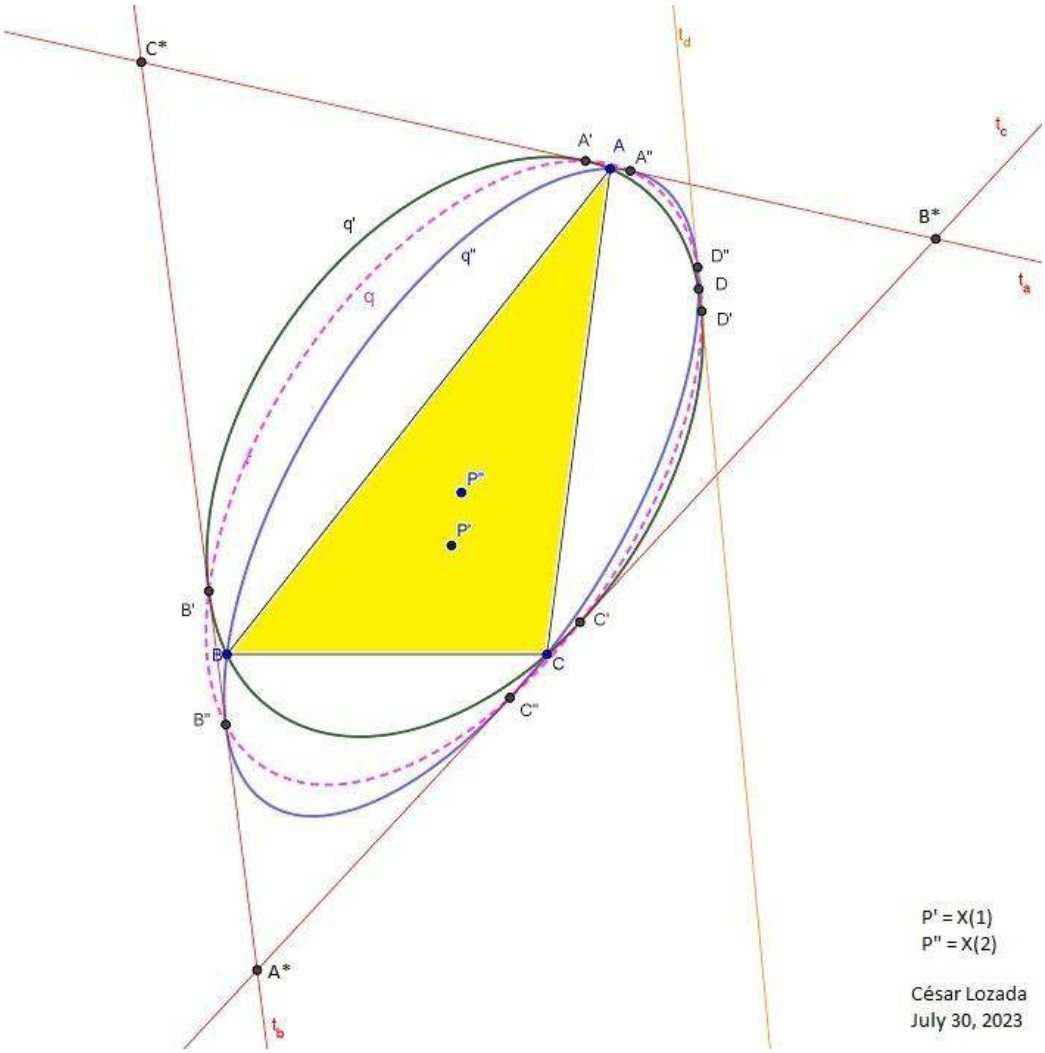
Let's consider two circumconics q' and q" with perspectors P’ and P", respectively. If P' and P" lie both in the interior of ABC, these conics have four real intersections A, B, C, D and four common tangents t_A, t_B, t_C, t_D.



- t_D is the *D-tangent.*
- t_A, t_B, t_C bound a triangle A*B*C* (*the circumscribing triangle*) perspective to ABC.
- If A’, A" are the touchpoints of q’, q” with t_A , respectively, and B’, B", C’, C", D’, D" are cyclically denoted, then these eight point lies on a conic (the *touchpoints conic*).

Related centers:

P'	P"	Perspector (ABC, circumscribing triangle)	Center of the touchpoints conic	Perspector of the touchpoints conic	Touchpoint of q' and the D-tangent	Touchpoint of q" and the D-tangent	Tripole of the D-tangent
1	2	366	3294	37	55321	55322	
1	3		55323	73			
1	4		55324	65			
1	6	365	52139	42	55325	55326	
1	7	174	55327	354	55328	55329	
1	8	188	55330	3057	55331	55332	
1	9		55	55			
1	10	39131	55333	2292			
1	11		55334	55335			
2	3	5374	41334	216			
2	4		8743	6			
2	6	1	41328	39	190	100	1016
2	7	508	77	1			
2	8	55336	55337	9	55338		55339
2	9	188	55340	1212	55341	55342	
2	10		55343	1213			
2	11		55344	46101			
3	4	1	55345	185	651	653	55346
3	6		184	184			
3	7		55347	39796			
3	8		55348	40944			
3	9		55349	40945			
3	10		55350	55351			
3	11		55352	55353			
4	6	20034	55354	51			
4	7		55355	1836			
4	8		55356	1837			
4	9		55357	1864			
4	10		55358	1834			
4	11			55359			

P'	P"	Perspector (ABC, circumscribing triangle)	Center of the touchpoints conic	Perspector of the touchpoints conic	Touchpoint of q' and the D-tangent	Touchpoint of q" and the D-tangent	Tripole of the D-tangent
6	7	509	55360	21746			
6	8		55361	23638			
6	9	259	55362	2347	3659	55363	
6	10		55364	20966			
6	11		55365	55366			
7	8	2	55367	497	664	190	4998
7	9	366	55368	14100			
7	10	0	55369	4854			
7	11	14078	55371	55370			55374
8	9	4182	55372	210	55373	55374	
8	10		55375	21677			
8	11		55377	55376			
9	10		55378	40967			
9	11		55379	55380			
10	11		55381	55382			
6	115		55383	55384			
2	115	14086	19598	23991			