

CO-NORMAL HYPERBOLAS

This table shows some points on the co-normal hyperbolas and their centers.

$\mathcal{C} \downarrow$	$\mathcal{N} \rightarrow$	X(1)	X(2)	X(3)	X(4)	X(5)	X(6)
Brocard inellipse		{1, 39, 511, 512, 2223} Center: X(68268)	{2, 39, 237, 511, 512} Center: X(68269)	---	{4, 39, 237, 511, 512} Center: X(68270)	{5, 39, 237, 511, 512} Center: X(68271)	---
circumhyperbola dual of Yff parabola		{1, 1086}	{2, 1086, 66486} Center: X(68272)	{3, 1086, 25642} Center: X(31380)	{4, 1086}	{5, 1086}	{6, 1086}
de Longchamps ellipse		---	{1, 2, 513, 517, 859} Center: X(68273)	---	{1, 4, 513, 517, 859} Center: X(68274)	{1, 5, 513, 517, 859} Center: X(68275)	{1, 6, 513, 517, 3286} Center: X(68276)
excentral-hexyl ellipse		{1, 3, 21, 100, 224} Center: X(214)	{1, 2, 3, 3307, 3308} Center: X(68277)	---	{3, 4, 9, 355, 3307} Center: X(21635)	{3, 5, 10, 3307, 3308} Center: X(68278)	{3, 6, 1001, 3307, 3308} Center: X(5150)
Feuerbach circumhyperbola		{1, 11, 53525} Center: X(1387)	{2, 11, 3139} Center: X(45310)	{3, 11, 3139, 34467, 39175} Center: X(6713)	{4, 11, 3139, 52456} Center: X(65948)	{5, 11, 3139, 56893} Center: X(60759)	{6, 11}
Hatzipolakis-Lozada hyperbola		{1, 1112}	{2, 1112}	{3, 1112} Center: X(9826)	{4, 1112}	{5, 1112, 14254} Center: X(58516)	{6, 1112}
Jerabek circumhyperbola		{1, 125} Center: X(11735)	{2, 125, 3134} Center: X(45311)	{3, 125, 2088, 3134, 39174} Center: X(6699)	{4, 125, 3134, 52451} Center: X(7687)	{5, 125, 3134} Center: X(20304)	{6, 125, 2088} Center: X(15118)
Johnson circumconic		{1, 5, 942, 2574, 2575} Center: X(68279)	{2, 5, 2574, 2575, 14561} Center: X(68280)	{3, 5, 6, 113, 141} Center: X(5972)	{4, 5, 125, 1352, 2574} Center: X(7687)	---	{5, 6, 1597, 2574, 2575} Center: X(68281)
Kiepert circumhyperbola		{1, 115} Center: X(11725)	{2, 115, 868, 14995} Center: X(5461)	{3, 115, 868, 17423, 34156} Center: X(6036)	{4, 115, 868, 52450, 66167} Center: X(67863)	{5, 115, 868, 14356} Center: X(61576)	{6, 115}
Kiepert parabola		{1, 30, 523, 11101, 18661} Center: X(68282)	{2, 30, 523, 22329, 66820} Center: X(476)	{3, 30, 523, 5201, 36822} Center: X(476)	{4, 30, 523, 9214, 45279} Center: X(476)	{1, 5, 30, 395, 396} Center: X(476)	{6, 30, 523, 1995, 5201} Center: X(68283)
Lemoine inellipse		{1, 524, 597, 1499}	---	{3, 524, 597, 1499, 8352} Center: X(68284)	{4, 524, 597, 1499, 8352} Center: X(68285)	{5, 524, 597, 1499, 8352} Center: X(68286)	---
Lozada-Soddy conic		{1, 13601, 52803} Center: X(68287)	{2, 7419, 52803} Center: X(68288)	{3, 7419, 13601, 52803} Center: X(68289)	{4, 106, 7419, 14261, 14923} Center: X(5510)	{5, 7419, 52803} Center: X(68290)	{6, 52803}
MacBeath circumconic		{1, 6, 942, 1439, 2574} Center: X(68291)	{2, 5, 6, 2574, 2575} Center: X(68292)	{3, 5, 6, 113, 141} Center: X(5972)	{4, 5, 6, 389, 973} Center: X(11746)	{5, 6, 2574, 2575, 3589} Center: X(68293)	---
MacBeath inconic		{1, 5, 30, 523, 3007} Center: X(68294)	---	---	---	---	{5, 6, 30, 523, 6530} Center: X(68295)
Mandart inellipse		{1, 9, 950, 3057, 3307} Center: X(68296)	{2, 9, 3307, 3308, 40998} Center: X(68297)	{3, 9, 960, 3057, 3307} Center: X(68298)	{4, 9, 950, 3307, 3308} Center: X(68299)	{5, 9, 3307, 3308, 64738} Center: X(68300)	{6, 9, 3307, 3308} Center: X(68301)
Moses HK-parabola		---	{2, 297, 525, 1503, 41370} Center: X(68302)	{3, 297, 525, 1503, 8743} Center: X(68303)	{4, 297, 525, 1503, 63856} Center: X(68304)	{5, 297, 525, 1503} Center: X(68305)	{6, 525, 1503} Center: X(68304)
Moses-Lemoine conic		{1, 34480}	{2, 34480}	{3, 34480, 47078}	{4, 34480}	{5, 34480}	{6, 34480}
Neuberg-Gibert hyperbola		{1, 30, 523, 11101, 60603} Center: X(68306)	{2, 30, 523, 44401, 60603} Center: X(22104)	{3, 30, 523, 38609, 60603} Center: X(68307)	{4, 30, 523, 18279, 25641} Center: X(68308)	{5, 30, 523, 14993, 60603} Center: X(68309)	{6, 30, 523, 1995, 44401} Center: X(68310)
orthic inconic		{1, 6, 65, 1854, 2574} Center: X(15904)	{2, 4, 6, 51, 125} Center: X(12099)	{3, 4, 6, 54, 64} Center: X(125)	{4, 6, 52, 113, 155} Center: X(1112)	{4, 5, 6, 389, 973} Center: X(11746)	{6, 1344, 1345, 2574, 2575} Center: X(6)
Privalov conic		{1, 354, 5452, 10939, 11022} Center: X(14760)	{2, 3136, 5452} Center: X(68311)	{3, 118, 354, 2140, 3136} Center: X(6710)	{4, 3136, 5452, 40960, 61669} Center: X(68312)	{5, 3136, 5452} Center: X(68313)	{1, 6, 1643, 5452, 20970} Center: X(68314)
1st Simmons inconic		{1, 30, 396, 523}	{2, 30, 396, 523, 52039}	{3, 30, 299, 370, 396}	{4, 30, 396, 523, 3181}	{1, 5, 30, 395, 396} Center: X(476)	{6, 30, 396, 523, 16310}
2nd Simmons inconic		{1, 30, 395, 523}	{2, 30, 395, 523, 52040}	{3, 30, 298, 395, 523}	{4, 30, 395, 523, 3180}	{1, 5, 30, 395, 396} Center: X(476)	{6, 30, 395, 523, 16310}
Stammiller hyperbola		{1, 110} Center: X(11720)	{2, 110, 15329, 33927} Center: X(5642)	{3, 110, 5118, 15329, 47049} Center: X(1511)	{4, 110, 14264, 15329, 18881} Center: X(113)	{5, 110, 14670, 15329} Center: X(10272)	{6, 110, 5118, 61209} Center: X(6593)
Steiner circumellipse		{1, 2, 226, 3413, 3414} Center: X(15903)	{2, 1340, 1341, 1348, 1349} Center: X(2)	{2, 3, 39, 114, 618} Center: X(620)	{2, 4, 10, 13, 14} Center: X(115)	{2, 5, 2023, 3413, 3414} Center: X(6722)	{2, 4, 6, 39, 115} Center: X(68315)
Steiner inellipse		{1, 2, 226, 3413, 3414} Center: X(15903)	{2, 1340, 1341, 1348, 1349} Center: X(2)	{2, 3, 39, 114, 618} Center: X(620)	{2, 4, 10, 13, 14} Center: X(115)	{2, 5, 2023, 3413, 3414} Center: X(6722)	{2, 4, 6, 39, 115} Center: X(68315)
Steiner-Wallace hyperbola		{1, 99} Center: X(11711)	{2, 99, 4226, 47044, 66625} Center: X(2482)	{3, 99, 4226, 41337, 47047} Center: X(33813)	{4, 99, 4226, 14265, 34174} Center: X(114)	{5, 99, 4226} Center: X(61561)	{6, 99, 41337} Center: X(5026)
Thomson-Gibert-Moses hyperbola		{1, 5642}	{2, 5642} Center: X(5972)	{3, 5642, 9177, 47049} Center: X(68316)	{4, 5642, 52451} Center: X(68317)	{5, 5642}	{6, 5642, 9177} Center: X(68318)
Walsmith rectangular hyperbola		{1, 468} Center: X(51725)	{2, 468}	{3, 468}	{4, 468} Center: X(37984)	{5, 468, 47208} Center: X(68319)	{6, 468, 56962} Center: X(47457)
Yff hyperbola		{1, 30, 381, 523, 18115} Center: X(68320)	---	---	---	---	{6, 30, 381, 523, 18114} Center: X(68321)
Yff parabola		{1, 169, 508, 514, 516} Center: X(927)	{2, 514, 516, 3008, 50573} Center: X(68322)	{3, 514, 516, 3730, 20367} Center: X(68323)	{4, 514, 516, 63851} Center: X(68324)	{5, 514, 516}	{6, 514, 516}