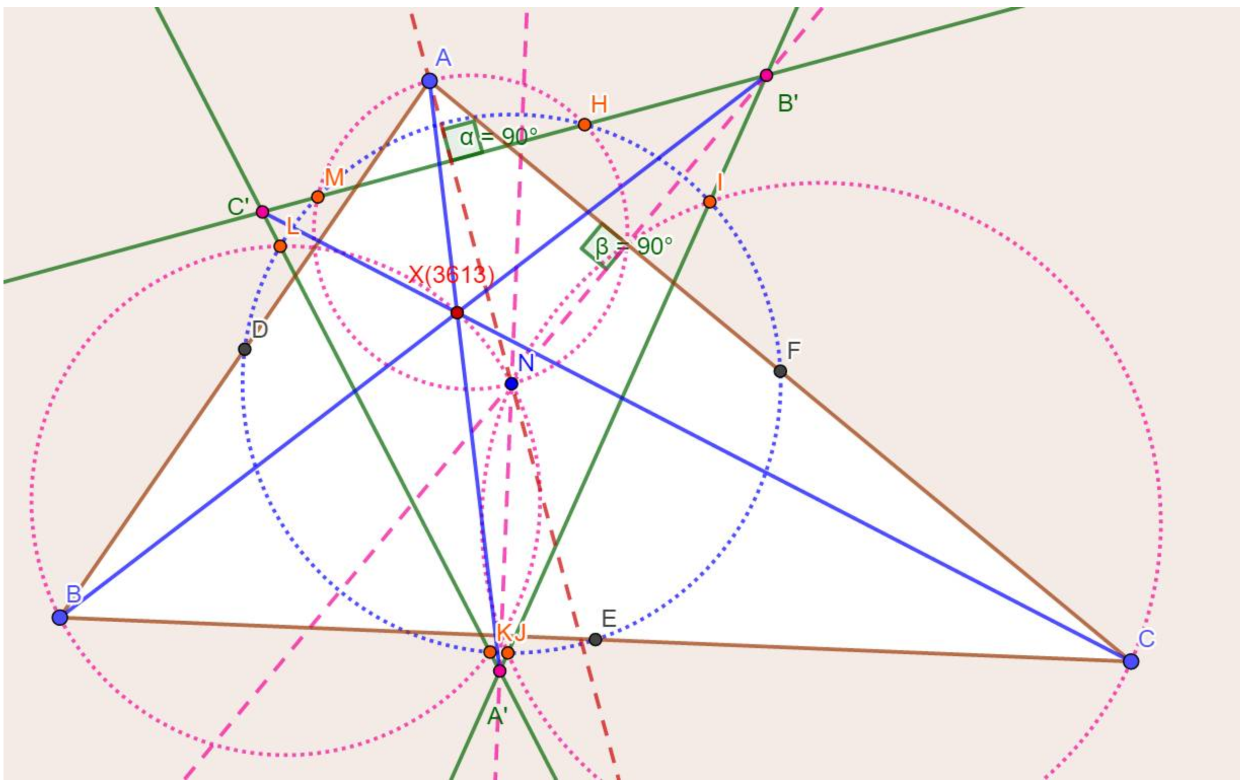
Some points related to X(3613):

1. **Let ABC be a triangle and N be the center of nine point circle NPC. Let L_1, L_2, L_3 the radical axis of NPC and the three circles O_1, O_2, O_3 by taking AN, BN and CN as diameter. The triangle A'B'C' formed by the lines L_1, L_2, L_3 is perspective to ABC, and the perspector is X(3613).**



Barycentric equations of sides of the triangle A'B'C' are

$$2S_Ax - c^2y - b^2z=0,$$

$$c^2x - 2S_By + a^2z=0$$

and $b^2x + a^2y - 2S_Az=0$

And the coordinates of A', B', C'are

$A'=(-(b^2 - c^2)^2 : a^2b^2+b^2c^2+c^2a^2-c^4 : a^2b^2+b^2c^2+c^2a^2-b^4)$

$B'=(a^2b^2+b^2c^2+c^2a^2-c^4: -(c^2 - a^2)^2: a^2b^2+b^2c^2+c^2a^2-a^4)$

$C'=(a^2b^2+b^2c^2+c^2a^2-b^4: a^2b^2+b^2c^2+c^2a^2-a^4: -(a^2 - b^2)^2)$

So X(3613) = AA' ∩ BB' ∩ CC' =

$((a^2b^2+b^2c^2+c^2a^2-b^4)(a^2b^2+b^2c^2+c^2a^2-c^4) :$

$(a^2b^2+b^2c^2+c^2a^2-c^4)(a^2b^2+b^2c^2+c^2a^2-a^4) :$

$(a^2b^2+b^2c^2+c^2a^2-a^4)(a^2b^2+b^2c^2+c^2a^2-b^4))$

2. The triangles ABC, A'B'C' are orthologic, and the orthologic center is N (nine point center).