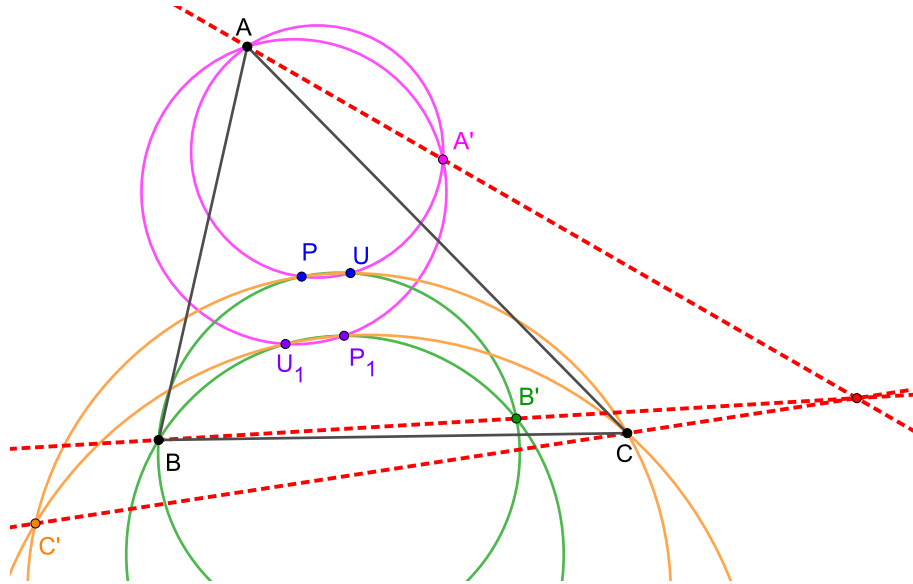Vu Thanh Tung

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Theorem. *Let P_1, U_1 be the isogonal conjugates of two different points P, U with respect to $\triangle ABC$. Suppose that P, U, P_1, U_1 are all finite points and that P and U_1 are distinct. Let A' be the point, other than A, that circle (APU) and (AP_1U_1) intersect. Define B', C' cyclically.*

Then three lines AA', BB', CC' are concurrent.

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