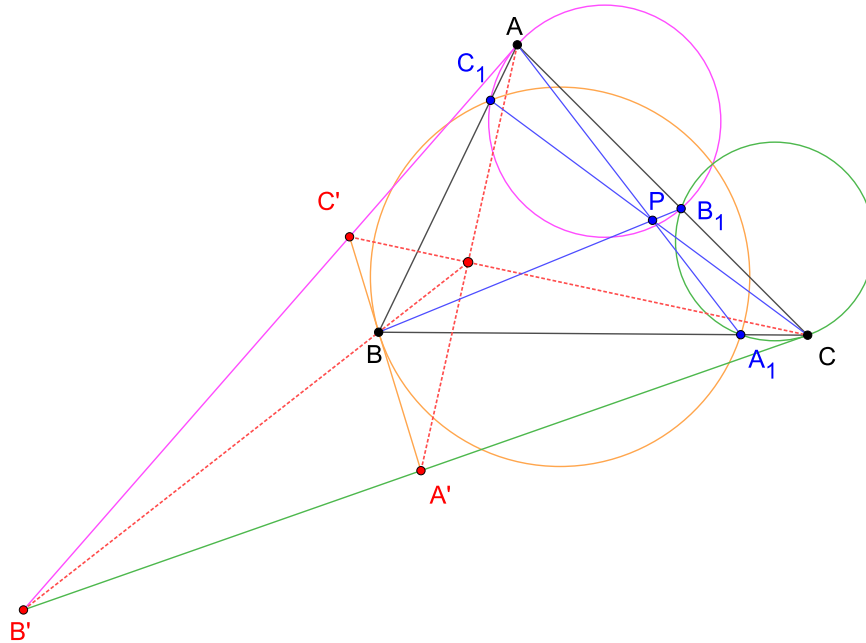


Vu Thanh Tung

May 31, 2020

**Theorem.** Let  $\triangle A_1B_1C_1$  be the cevian triangle of a point  $P$  with respect to  $\triangle ABC$ . Let  $t_a$  be the tangent from  $A$  of circle  $(AB_1C_1)$  and define  $t_b, t_c$  cyclically. Let  $A' = t_b \cap t_c$  and define  $B', C'$  cyclically.

Then the lines  $AA', BB', CC'$  are concurrent.



Vu Thanh Tung, 250 Quang Trung, Nam Dinh city, Vietnam  
E-mail address: tungvtt@gmail.com