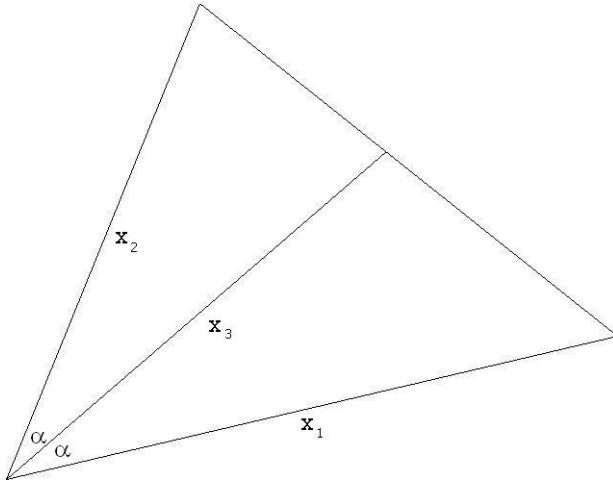


Length of Bisector

A picture says more than a thousand words:



Known: α , x_1 and x_2 . Asked: x_3 . Answer:

$$x_3 = \frac{2x_1x_2 \cos(\alpha)}{x_1 + x_2}$$