

Fitting Curve to 3 Tangents

lay - out of three tangents, required to fit curve of radius R

$$T1 = R * \tan\alpha/2$$

$$T2 = R * \tan\beta/2$$

$$T1 + T2 = R (\tan\alpha/2 + \tan\beta/2)$$

$$R = (T1 + T2) / (\tan\alpha/2 + \tan \beta/2)$$

