

$$\sin(2A) = 2 \sin(A) \cos(A)$$

$$\cos(2A) = \cos^2(A) - \sin^2(A)$$

$$= 1 - 2\sin^2(A)$$

$$= 2\cos^2(A) - 1$$

$$\tan(2A) = \frac{2 \tan(A)}{1 - \tan^2(A)}$$