



$$\sin 6A \cos 6A$$

=

$$\tan(\frac{1}{2}A)$$

=

$$\tan(6A)$$

=



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

=

=

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

=

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

=

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

=

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

=

=

