

**Transformarea sumelor în produse**

$$\sin a + \sin b = 2 \sin \frac{a+b}{2} \cos \frac{a-b}{2}$$

$$\sin a - \sin b = 2 \sin \frac{a-b}{2} \cos \frac{a+b}{2}$$

$$\cos a + \cos b = 2 \cos \frac{a+b}{2} \cos \frac{a-b}{2}$$

$$\cos a - \cos b = -2 \sin \frac{a+b}{2} \sin \frac{a-b}{2}$$

$$\operatorname{tga} + \operatorname{tgb} = \frac{\sin(a+b)}{\cos a \cdot \cos b}, \cos a \neq 0, \cos b \neq 0$$

$$\operatorname{tga} - \operatorname{tgb} = \frac{\sin(a-b)}{\cos a \cdot \cos b}, \cos a \neq 0, \cos b \neq 0.$$

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