

Faktorizacija:

$$\sin\alpha + \sin\beta = 2\sin \frac{\alpha + \beta}{2} \cos \frac{\alpha - \beta}{2}$$

$$\sin\alpha - \sin\beta = 2\sin \frac{\alpha - \beta}{2} \cos \frac{\alpha + \beta}{2}$$

$$\cos\alpha + \cos\beta = 2\cos \frac{\alpha + \beta}{2} \cos \frac{\alpha - \beta}{2}$$

$$\cos\alpha - \cos\beta = -2\sin \frac{\alpha + \beta}{2} \sin \frac{\alpha - \beta}{2}$$

Prehod iz produkta na vsoto:

$$\sin a \cos b = \frac{1}{2} [\sin(a+b) + \sin(a-b)]$$

$$\cos a \cos b = \frac{1}{2} [\cos(a+b) + \cos(a-b)]$$

$$\sin a \sin b = \frac{1}{2} [\cos(a-b) - \cos(a+b)]$$