Adicijski izreki:

$\sin(\alpha+\beta) = \sin\alpha\cdot\cos\beta+\cos\alpha\cdot\sin\beta$

$\sin(\alpha-\beta) = \sin\alpha\cdot\cos\beta-\cos\alpha\cdot\sin\beta$

$\cos(\alpha+\beta) = \cos\alpha\cdot\cos\beta-\sin\alpha\cdot\sin\beta$

$\cos(\alpha-\beta) = \cos\alpha\cdot\cos\beta+\sin\alpha\cdot\sin\beta = e_\alpha\cdot e_\beta$

$\tan(\alpha+\beta) = \dfrac{\tan\alpha+\tan\beta}{1-\tan\alpha\cdot\tan\beta}$

Dvojni koti:

$\sin 2\alpha = 2\sin\alpha\cos\alpha$

$\cos 2\alpha = \cos^2\alpha-\sin^2\alpha$

$\sin\alpha = \pm\sqrt{\dfrac{1-\cos 2\alpha}{2}} \quad \Rightarrow \sin\dfrac{\alpha}{2} = \pm\sqrt{\dfrac{1-\cos\alpha}{2}}$

$\cos\alpha = \pm\sqrt{\dfrac{1+\cos 2\alpha}{2}} \quad \Rightarrow \cos\dfrac{\alpha}{2} = \pm\sqrt{\dfrac{1+\cos\alpha}{2}}$

Faktorizacijske formule:

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

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

$\cos\alpha+\cos\beta = 2\cos\dfrac{\alpha+\beta}{2}\cdot\cos\dfrac{\alpha-\beta}{2}$

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

Defaktorizacijske formule:

$\sin a\cdot\cos b = \dfrac{1}{2}\left[\sin(a+b)+\sin(a-b)\right]$

$\cos a\cdot\cos b = \dfrac{1}{2}\left[\cos(a+b)+\cos(a-b)\right]$

$\sin a\cdot\sin b = -\dfrac{1}{2}\left[\cos(a+b)-\cos(a-b)\right]$

Kot med premicama:

$\tan\alpha = \left|\dfrac{k_2-k_1}{1+k_1k_2}\right|$