SUMA Y RESTA DE ÁNGULOS

$$\cos(\alpha+\beta)=\cos\alpha\cdot\cos\beta-\operatorname{sen}\alpha\cdot\operatorname{sen}\beta$$
$$\cos(\alpha-\beta)=\cos\alpha\cdot\cos\beta+\operatorname{sen}\alpha\cdot\operatorname{sen}\beta$$

$$\operatorname{sen}(\alpha+\beta)=\operatorname{sen}\alpha\cdot\cos\beta+\cos\alpha\cdot\operatorname{sen}\beta$$
$$\operatorname{sen}(\alpha-\beta)=\operatorname{sen}\alpha\cdot\cos\beta-\cos\alpha\cdot\operatorname{sen}\beta$$

ÁNGULO DOBLE

$$\cos(2\alpha)=\cos^2\alpha-\operatorname{sen}^2\alpha$$
$$\operatorname{sen}(2\alpha)=2\cdot\operatorname{sen}\alpha\cdot\cos\alpha$$

ÁNGULO MITAD

$$\cos(\alpha/2)=\sqrt{\frac{1+\cos\alpha}{2}}\qquad\operatorname{sen}(\alpha/2)=\sqrt{\frac{1-\cos\alpha}{2}}$$