Additions formlerna

Figure labels:
- $\cos(u+v)$
- $\sin u \cdot \sin v$
- $u+v$
- $\frac{\pi}{2}-u$
- $\frac{\pi}{2}-v$
- $\sin v$
- u
- 1
- $\cos v$
- $\frac{\pi}{2}-u$
- $\cos u \cdot \sin v$
- $\sin u \cdot \cos v$
- $\sin(u+v)$
- v
- u
- $\cos u \cdot \cos v$
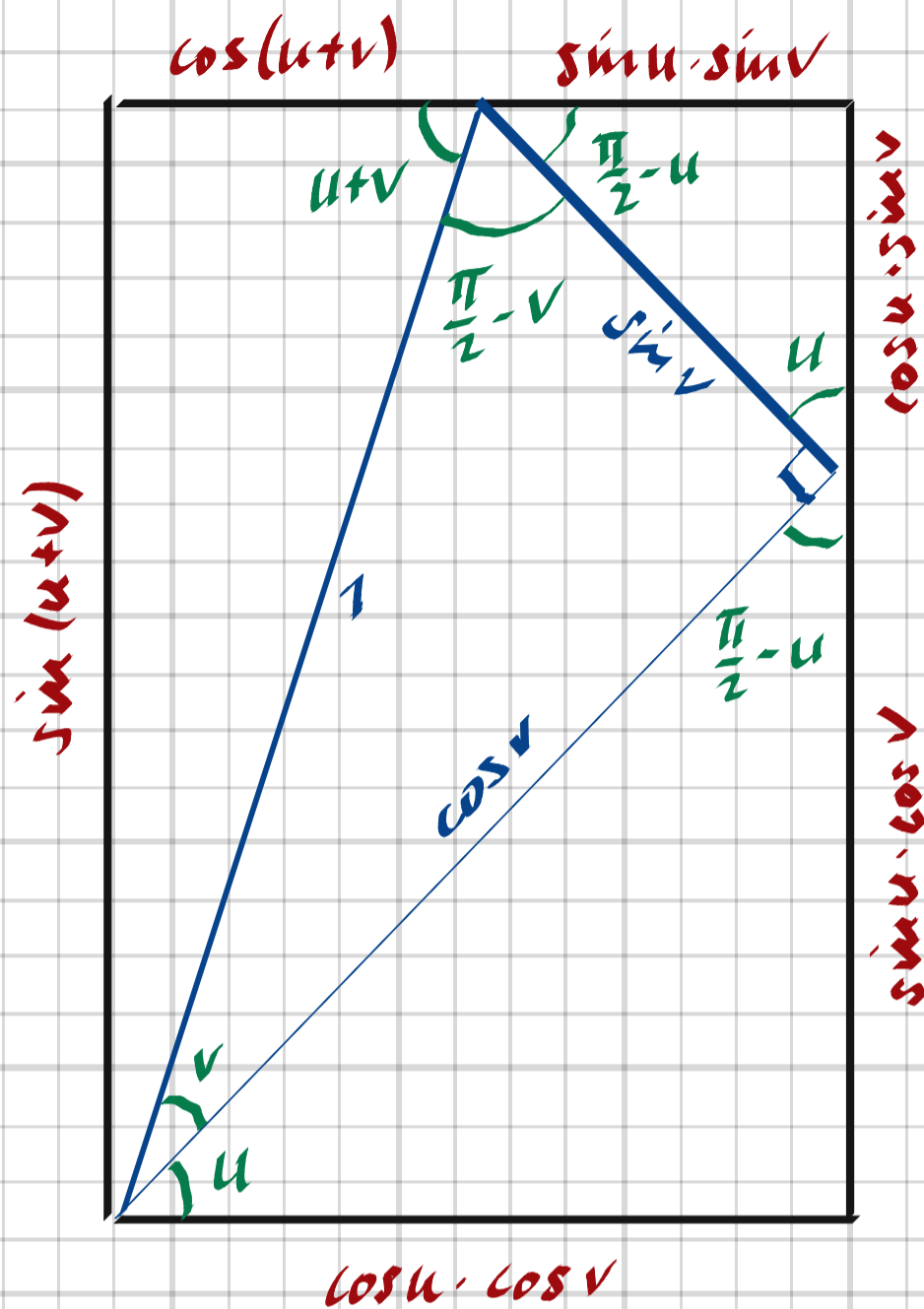
$$\sin(u+v) = \sin u \cdot \cos v + \cos u \cdot \sin v$$

$$\cos(u+v) = \cos u \cdot \cos v - \sin u \cdot \sin v$$

$$\sin(u-v) = \sin u \cdot \cos(-v) + \cos u \cdot \sin(-v)$$

$$\cos(u-v) = \cos u \cdot \cos(-v) - \sin u \cdot \sin(-v) \quad \Rightarrow$$

$$\sin(u-v) = \sin u \cdot \cos v - \cos u \cdot \sin v$$

$$\cos(u-v) = \cos u \cdot \cos v + \sin u \cdot \sin v$$

$$\boxed{\begin{aligned} \sin(u \pm v) &= \sin u \cdot \cos v \pm \cos u \cdot \sin v \\ \cos(u \pm v) &= \cos u \cdot \cos v \mp \sin u \cdot \sin v \end{aligned}}$$

$$\sin(2u) = \sin u \cdot \cos u + \cos u \cdot \sin u$$
$$\cos(2u) = \cos u \cdot \cos u - \sin u \cdot \sin u$$

$$\boxed{\begin{array}{l} \sin(2u) = 2 \cdot \sin u \cdot \cos u \\ \cos(2u) = \cos^2 u - \sin^2 u \end{array}}$$

$$\sin^2 u + \cos^2 u = 1 \quad \Rightarrow$$

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