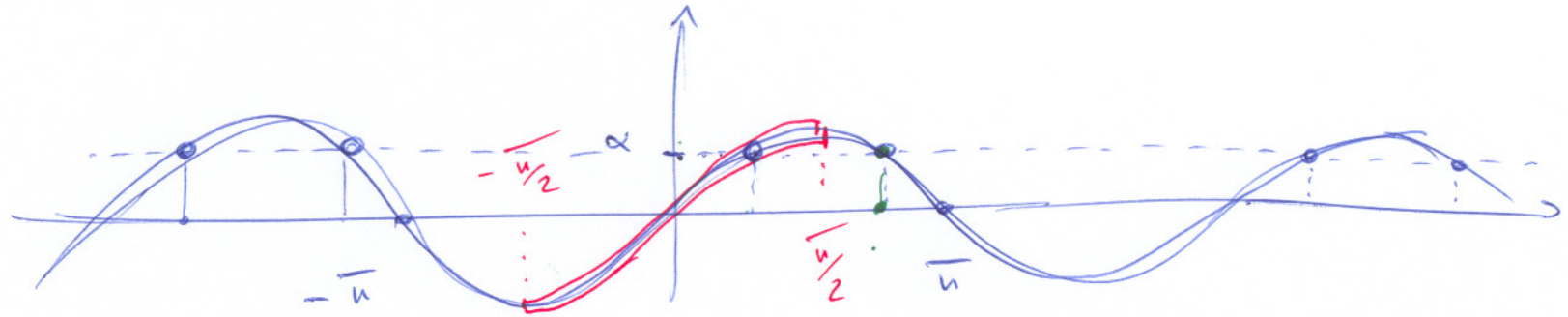


EQUAZIONI E DISEQUAZIONI TRIGONOMETRICHE

$$\sin x = \alpha$$

$$-1 \leq \alpha \leq 1$$

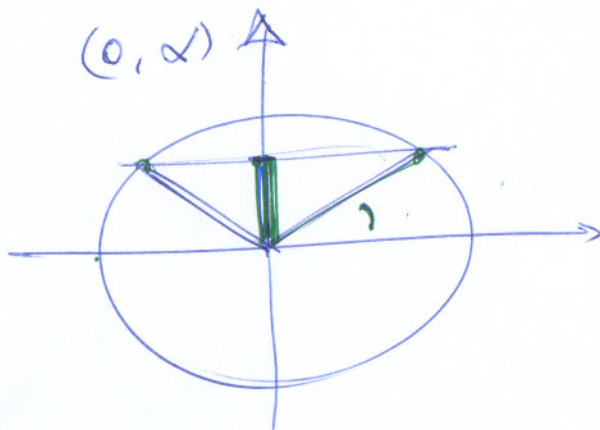


$$x = \arcsin \alpha \quad \text{è soluzione}$$

$$x = \pi - \arcsin \alpha \quad \text{è soluzione}$$

$$\left. \begin{array}{l} \arcsin \alpha + 2k\pi \\ \pi - \arcsin \alpha + 2k\pi \end{array} \right\} k \in \mathbb{Z}$$

$$\mathbb{Z} = \{0, 1, -1, 2, -2, \dots\}$$



Oss: Se $\alpha = 1$ (~~$\alpha = -1$~~)

$$\arcsin \alpha = \pi - \arcsin \alpha$$