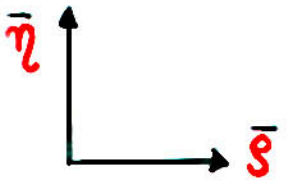
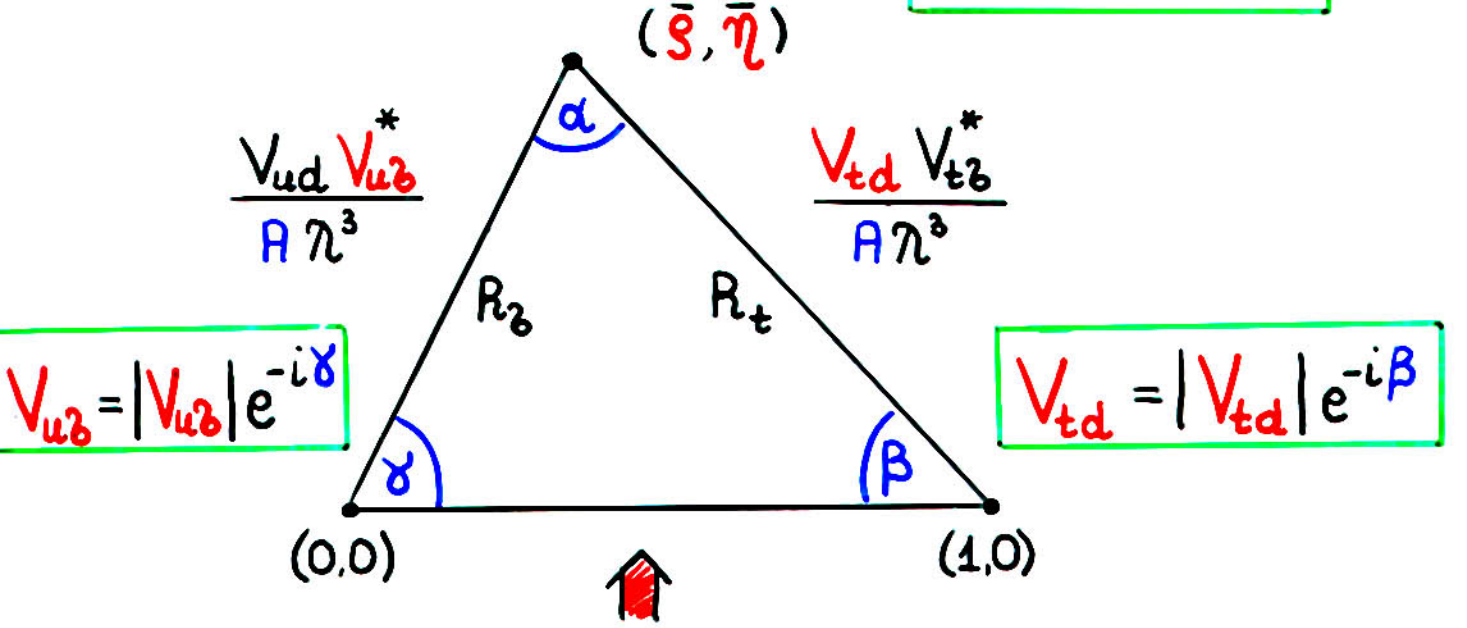
Unitarity Triangle

$$V_{ud} V_{ub}^* + V_{cd} V_{cb}^* + V_{td} V_{tb}^* = 0$$



$\bar{\eta} \neq 0$ Signals CP Violation



An Important Target of Particle Physics

$$J_{CP} = \lambda\left(1 - \frac{\lambda^2}{2}\right) \mathrm{Im}\,\lambda_t = 2 \cdot \triangle$$

$$\lambda_t = V_{ts}^* V_{td}$$

Area of unrescaled UT