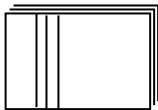


open string
CFT

closed string
SUGRA

$$\begin{aligned} g_s Q_i &\ll 1 \\ g_s^2 Q_P &\ll 1 \\ Q_P &\gg Q_1 Q_5 \end{aligned}$$

$$\begin{aligned} g_s Q_i &\gg 1 \\ g_s^2 Q_P &\gg 1 \end{aligned}$$



$$S_{\text{micro}} = 2\pi\sqrt{Q_1 Q_5 Q_P}$$

$$S_{\text{macro}} = 2\pi\sqrt{Q_1 Q_5 Q_P}$$

$g_s = 0$

finite g_s