



$$\frac{d^2 S}{dr^2} + \frac{dS}{dr} * \frac{2}{r} - \phi^2 * \frac{\beta * S}{\beta + S} = 0$$

En $r=0$

$$\frac{d^2 S}{dr^2} = \frac{\phi^2}{3} * \frac{\beta * S}{\beta + S}$$