

2) Onpowerium
$$\beta'(r)$$
:

 $P(r) = 2(r) \xi_0 \xi(r) = \frac{(\xi(r)-1)\xi_0 g}{2\pi \xi(r)\xi_0 r L} = \frac{2}{2\pi r} \left(1 - \frac{1}{\xi(r)}\right) = \frac{2}{2\pi r} \left(\frac{R_0^2 - r^2}{R_0^2 + h^2}\right)$
 $g'(r) = -div \xi'(r) = -\nabla P(r)$
 $\nabla f'(p, g, z) = \frac{1}{p} \frac{3(f)}{3p} + \frac{1}{p} \frac{3f}{3p} + \frac{3f}{3z} ; \frac{1}{3p} = 0, \frac{3f}{3z} = 0$
 $\nabla P(r) = \frac{1}{r} \cdot \frac{3(r)(r)}{3r} = \frac{1}{r} \cdot \frac{2}{2\pi} \left(\frac{2}{R_0^2 + R^2}\right) = \frac{1}{r} \cdot \frac{2(-2r)}{2\pi (R_0^2 + R^2)}$
 $g'(r) = \frac{2}{5(R_0^2 + R^2)}$
 $g'(r) = \frac{2}{3(R_0^2 + R^2)}$
 $g'(r) = \frac{2}{5(R_0^2 + R^2)}$
 $g'(r) = \frac{2}{3(R_0^2 + R^2)}$
 $g'(r) = \frac{2}{3(R_0^2 + R^2)}$
 $g'(r) = \frac{2}{5(R_0^2 + R^2)}$



