$$\frac{dy\left(x\right)}{dx}=\frac{x^{2}}{c^{2}}\left(\left(z\left(x\right)\right)^{\frac{1}{2.762}}+z\left(x\right)\right) , y\left(0\right)=0$$

$$\frac{dz\left(x\right)}{dx}=\frac{-\frac{G}{c^{2}}\left(\left(z\left(x\right)\right)^{\frac{1}{2.762}}+z\left(x\right)\right)\left(y\left(x\right)+\frac{x^{3}}{c^{2}}z\left(x\right)\right)}{x^{2}-\frac{Gx}{c^{2}}y(x)}, z\left(0\right)=1.4\*10^{35}$$

Where

$$G=6.67\*10^{-8} and c=3\*10^{10}$$