

$$\sqrt{|\Lambda|}^{1/2}$$

$$\sqrt{|\Lambda|}^{1/2} = \left((4 \log(2))^{D/2} \frac{V}{\pi \text{FWHM}} \right)^{D/2} = \left((4 \log(2))^{D/2} R \right)^{D/2}$$

$$-\frac{1}{2}(z^2)$$

$$\frac{V}{\pi \text{FWHM}} \times 4 \log(2) \quad 128$$

$$128$$

$$\text{FWHM} = 8$$

~~plot~~

$$256 \times 4 \log(2) (2\pi)^{-3/2} u e^{-\frac{1}{2}u^2}$$

$$\frac{(128)^2}{8^2}$$

$$(128)^2 (2\pi)^{-3/2} u e^{-\frac{1}{2}u^2} w^{-D}$$