by: Fallahtp@gmail.com

Constraint:
$$g(r) = \int_{0}^{+\infty} P[r] dr = 1$$

$$h(r) = \int_{0}^{+\infty} r p[r] dr = C$$

=>
$$\frac{\partial Am}{\partial r} = -P[r] L_{g_2}(P[r]) + \lambda P[r] + \mu r P[r] = 0$$

$$\rightarrow Log(P[r]) = \lambda + \mu r \rightarrow P[r] = 2^{\lambda} 2^{\mu r}$$

$$g(r) = \int_{0}^{+\infty} 2^{2} x^{mr} dr = 1$$

$$\Rightarrow \int_{0}^{+\infty} 2^{Mr} dr = 2^{\lambda}$$

$$- \frac{1}{\mu L_{n2}} \int_{-\infty}^{\infty} \frac{du}{du} - \frac{1}{\mu L_{n2}} = \frac{-\lambda}{2} I$$

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$$h(r) = \int_{0}^{+\infty} r 2^{n} dr = C$$

$$\Rightarrow \int_{0}^{+\infty} r 2^{n} dr = C \times 2^{-n}$$

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$$\frac{\Pi}{\Gamma} = \frac{(\mu L_{n2})^{2}}{(\mu L_{n2})} = C \rightarrow \frac{-1}{\mu L_{n2}} = C \rightarrow \frac{\mu L_{n2}}{cL_{n2}}$$

$$\frac{\Pi}{\Gamma} = \frac{-1}{(\mu L_{n2})}$$

$$\begin{array}{c}
\boxed{\square} & \frac{-1}{-\frac{1}{c_{1}} \times \frac{1}{k_{12}}} = 2^{-\frac{1}{2}} \rightarrow \boxed{2^{-\frac{1}{2}}} \rightarrow \boxed{2^{\frac{1}{2}} = \frac{1}{c}}
\end{array}$$

$$\Rightarrow P[I] = 2^{2} \times 2^{ur} = \frac{1}{c} \times 2^{\frac{r}{c \ln 2}}$$