Coarse Grained Entropy

7817 roses 71010kg wase-graining the sky with

 $\frac{dS}{dt} = -\left(\frac{de}{dt}\left(h_1 + 1\right)\right)$ $\frac{de}{dt} = 0$ $\frac{de}{dt} = 0$ for was bill log at =0

7 (0) = Sf(+)hg(+)dqdp

 $\eta(0) = \begin{cases} \int_{e}^{\infty} \int_{e}^{\infty} (t-u)h \int_{e}^{\infty} (t-u) du
\end{cases}$

 $= \underset{e}{\leqslant} \mathfrak{I}_{e} f(t=0) h f(t=0)$

 $= \int f(t=0) h f(t=0) dpdq$

 $= \int_{W} \rho(t) \, d\rho(t) \, d\rho(t) \, d\rho(t)$

לפי השל כה

27M/ 260- 6492 DUIEC

13'10 Stellers

Jul Gon

$$1 = \int_{w} \int_{w} = \sum_{e} \int_{e} = \int_{w} \overline{p}_{e}$$

$$||h_{X+1-X}| \le 0$$

$$||h_{X+1-X}|| = 0$$

$$||x=1|| \le 1$$

$$||h_{X+1-X}|| = \frac{1}{x} - 1 = 0 \Rightarrow x = 1$$

$$\frac{d^2}{dx^2}\left(\ln x+1-x\right) = \frac{1}{x^2} \left| x = 1 \right|$$

$$\int_{\mathbb{R}^n} \left(+ \right) - \int_{\mathbb{R}^n} \left(0 \right) \geqslant 0$$

(S) (S)

 $\left[\bar{p}(q,\rho) = \bar{p}_{e}(q \in \Lambda_{e}, \rho \in \mathcal{R}_{e})\right]$

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לכל בין בינת בינים במון ק

S=1 -S

lax+ 1-x =0 /08