

x log (= 2 ( ) =) Enhopy = In (V2116) + 1 =) Enhopy

Exponential

p(n) =  $\lambda e^{-\lambda m} \begin{cases} p(n) & \text{is not} \\ \text{defined for} \\ n \leqslant 0 \end{cases}$ Enhopy = - Jp(n) ln (p(n)) dx. => Enhopy = - Jxex lu(xex)dr. = a Je-m[luz.lue\*]dx. = 2 Je-xx ln/d+ 2 Je-xx ln(e-xx) dx - [ln) x (e-xx) | +x [e-xx (-xx) dx I, = x) e-x (-xx) dx. =). e-xx. (-x) d.x = d.t.

Date: