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$\left H(m;n) = -\sum_{i=1}^{m} P_i \cdot \log_n P_i \right \underbrace{\underline{s.t}}_{i=1} \sum_{i=1}^{m} P_i = 1 H$	$f_X(x;n) = -\int f_X(x) \cdot \log_n(f_X(x)) dx \underline{s}$
For a discrete-time random variable	For a continuous-time random a
—n=2;m=10 —n=3;m=10 —n=4;m=10 —H=P	— n=2;m=8 — n=2;m=6 — n=2;r
1,00 0,90 0,80 0,70 0,60 0,50 0,40 0,30 0,20 0,10 0,00 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$	nomic system's language complexity t coding than the dual (1,0). For pumpe alternative options (structures) –thus rec Fig. 1). The sophistication of each of th
Entropy, the complexity language and the economic macrostate (macroecono Primary efforts by economist Paul Samuelson (1960) –followed by Edward Jay concerned the identification of how an economic system's <i>macrostate</i> may be sh internal micro-structure (microeconomy). Following a more classical approach (1971) argued that the utility of a resource is <i>reverse proportional to its entropy</i> , as signifies a higher cost (in terms of production factors' sacrifice) for its economic	
3. Entropy of geophysical	series and pumped-stora
The optimization of a pumped-storage sy the <i>natural inputs</i> of each connected <i>in</i>	

conditional probability of the two events' joint frequency.

