

... , [3])

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$t, u(t)$

$$\begin{aligned} &: (g((x(t), u(t)) - \\ & , x(t) - \\ &), e^{-pt} - \end{aligned}$$

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3. -

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“ ” (“ ”, 2004 “Greedy sums and Dirichlet series”, 2011),

“ ” ().²

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¹ “ ”, 1990.

$$W_t(z) = \sum_{i=1}^N \Delta s_t^i |\Delta s_t^i|^z, \quad \Delta s_t^i = a + ib = (s_e^i - |s_n^i|) + is_r^i \quad s_t^i = |s_e^i| + |s_n^i| + |s_r^i|; \quad s_e^i -$$

, s_n^i - , s_r^i - , N - , z - .

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$$J(N, L_n) = \int_0^{\infty} e^{-pt} \ln D(t) dt = \int_0^{\infty} e^{-pt} \left[\left(\frac{1}{a} - 1 \right) \ln N(t) + \ln(L - L_n(t)) \right] dt \rightarrow \max .$$

$N(t)$ - “ $D(t)$ ”, L -
 $L_n(t)$ -
 e^{-pt} - , a -
 (),
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 “ ”
 (c .[6]).

$$IPR(t) = \int_0^{N(t)} \left[\frac{L - L_e(t)}{N(t)^\sigma} \right] ds = (L - L_e(t)) [N(t)]^{1-\sigma}.$$

$$S[N(t), L_e(t)] = \int_0^\infty [(1-\sigma) \ln N(t) + \ln(L - L_e(t))] dt \rightarrow \max.$$

$$N(t) \quad ; \quad \frac{dN(t)}{dt} = \frac{L_e(t)}{L} N(t),$$

$$L_e(t) \in [0, L], \quad N(0) = N_0, \quad ; \quad S[N(t), L_e(t)] = \int_0^\infty [(1-\sigma) \frac{L_e(t)}{L} + \ln(L - L_e(t))] dt \rightarrow \max.$$

$$L_e(t) = L - \frac{L}{1-\sigma}, \quad ; \quad L_e(t) \rightarrow L.$$

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$$ILR(t) = \int_0^{N(t)} \left[\frac{N(t)^\sigma}{L - L_e(t)} \right] ds = \frac{[N(t)]^{1+\sigma}}{L - L_e(t)}$$

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$$L_e(t) \rightarrow L$$

$\sigma \rightarrow \max .$

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