PARETOVO POZDĚLENÍ

$$f(x) = \frac{x \theta^{\alpha}}{x^{\alpha+1}} \qquad x > 0 \qquad f(x) = 1 - \left(\frac{\theta}{x}\right)^{\alpha} \qquad x > 0$$

$$E(x) = \frac{x \theta^{\alpha}}{(x-1)^{2} (x-2)}$$

1) Rozdilení minima

$$\mathbb{G}\left(g_{t}\right) = 1 - \left(1 - \left(\frac{1}{2}, \frac{\theta}{s}\right)^{N}\right)^{N} = 1 - \left(\frac{\theta}{g_{t}}\right)^{NN} \quad \Rightarrow \text{ pantowo rosdiluri} \quad s \quad \text{paramatry} \quad \theta \quad \text{a nx}$$

2) Pavetous rozdálaní pro parametr $\alpha = 4$ a rozsah výbění n = 5

$$E(x) = \theta \cdot \frac{4}{3}$$

$$D(x) = \frac{q\theta^2}{32 \cdot 2} = \theta \cdot \frac{2}{q}$$

Pozdálaní minima pro rozsah w/bēru n=5 → x=4.5=20

$$\mathbb{E}(y_1) = \frac{20\theta^2}{19^2 \cdot 18} = \theta^2 \cdot \frac{10}{5249}$$

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$$\frac{20}{91} = \theta \cdot \frac{20}{2}$$

3) Graf mistot pro n=5; a=4 a 0=1 -> zdrojový hád je u scriptu

