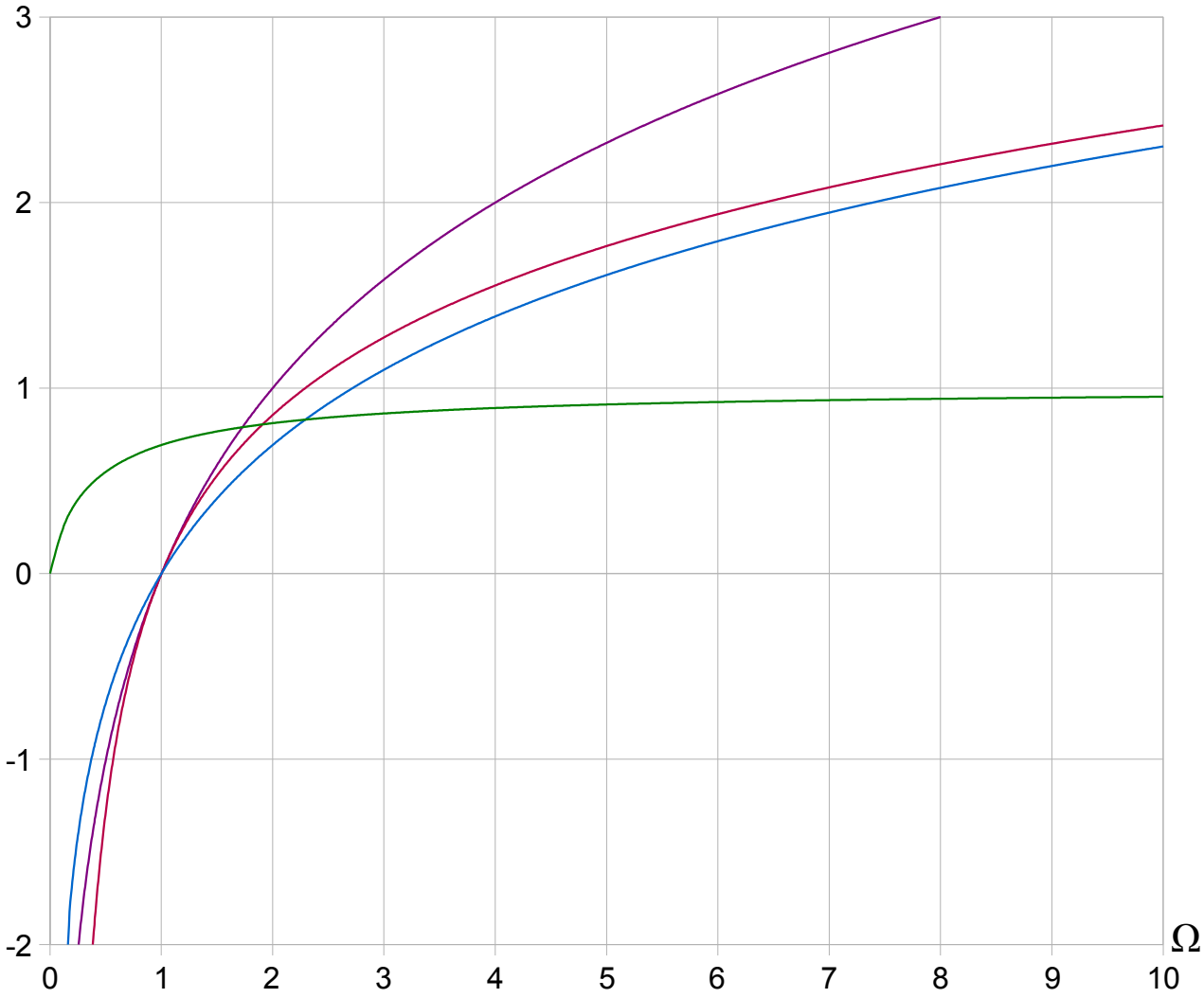
From Discrete to Continuous



$$B = \Omega_{blur} \ln(1 + 1/\Omega_{blur}), \quad \Omega_{blur} = \Omega$$

$$\mathfrak{S}_{[\infty]} = S / k_B = \ln(\Omega)$$

$$\mathfrak{S}_{[\Omega]} = \mathfrak{S}_{[\infty]} / B$$

$$\mathfrak{S}_{[1]} = \mathfrak{S}_{[\infty]} / \ln(2) = \mathrm{ld}(\Omega)$$

Goetz Kluge, 2009-03-22