A Wavelet Tour of Signal Processing

Stéphane Mallat, Academic Press 1999 (2nd edition)

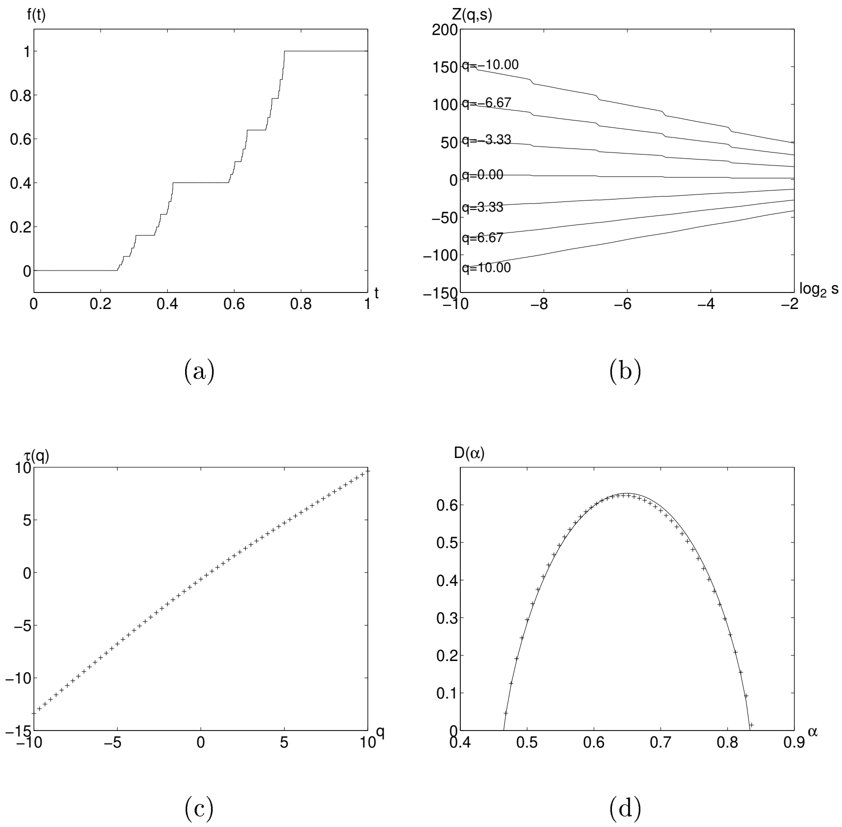

Figure 6.18: (a): Devil's staircase with $p_1 = 0.4$ and $p_2 = 0.6$. (b): Partition function $\mathcal{Z}(q, s)$ for several values of q. (c): Scaling exponent $\tau(q)$. (d): The theoretical spectrum $D(\alpha)$ is shown with a solid line. The $+$ are the spectrum values calculated numerically with a Legendre transform of $\tau(q)$.