A Wavelet Tour of Signal Processing
Stéphane Mallat, Academic Press 1999 (2nd edition)

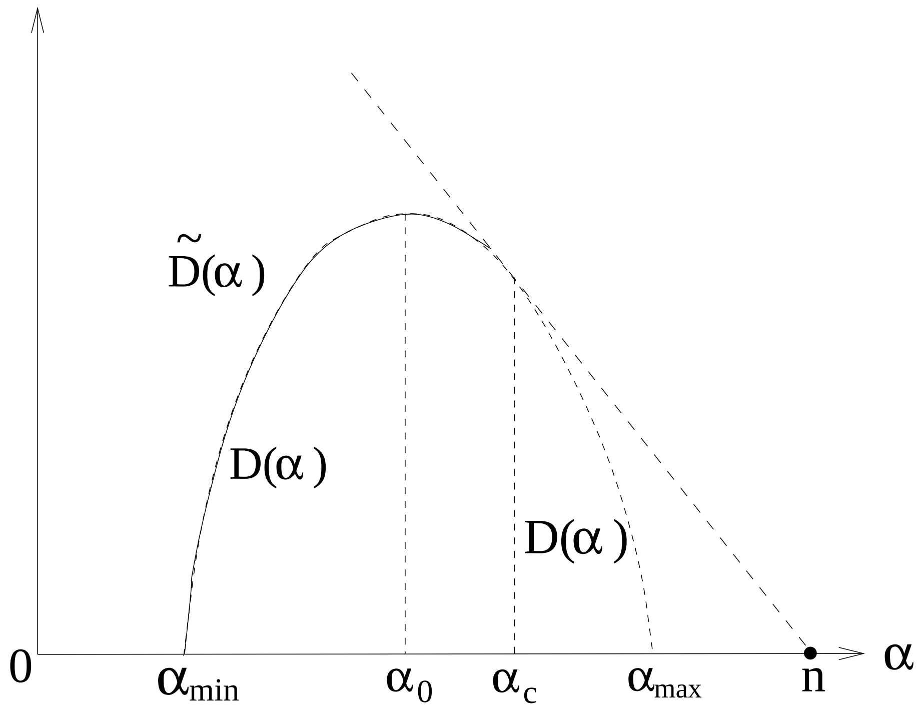

Figure 6.19: If ψ has n vanishing moments, in presence of a $\mathbf{C}^\infty$ perturbation the computed spectrum $\tilde{D}(\alpha)$ is identical to the true spectrum $D(\alpha)$ for $\alpha \leq \alpha_c$. Its support is reduced to $\{n\}$ for $\alpha > \alpha_c$.