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

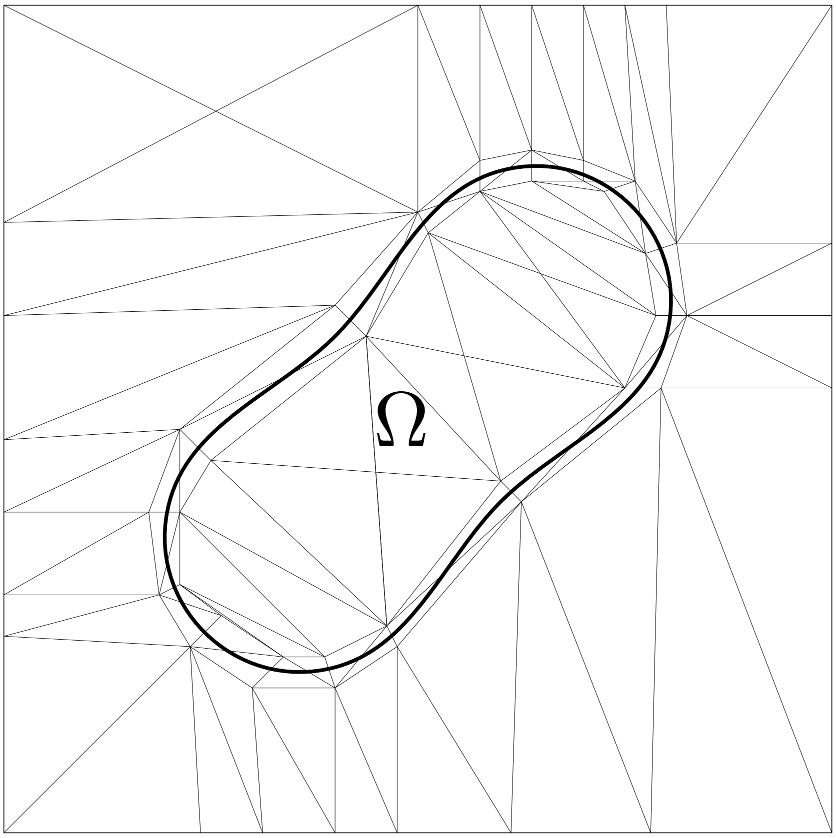

Figure 9.6: A piecewise linear approximation of $f = \mathbf{1}_\Omega$ is optimized with a triangulation whose triangles are narrow in the direction where f is discontinuous, along the border $\partial\Omega$.