Kernel 0

$$\Delta_\sigma(E_\star, E) = \frac{1}{\sqrt{2\pi}\sigma Z} \exp\left(\frac{-(E-E_\star)^2}{2\sigma^2}\right)$$
$$Z = \frac{1}{2}\left(1 + \mathrm{erf}\left(\frac{E_\star}{\sqrt{2}\sigma}\right)\right) \tag{1}$$

Kernel 1

$$\Delta_\sigma(E_\star, E) = \frac{1}{\pi(E_\star - E)} \sin\left(\frac{\pi(E_\star - E)}{\sigma}\right) \tag{2}$$

Kernel 2

$$\Delta_\sigma(E_\star, E) = \frac{\sigma}{(E_\star - E)^2 + \sigma^2}\,. \tag{3}$$

Kernel 3

$$\Delta_\sigma(E_\star, E) = \frac{E_\star - E}{(E_\star - E)^2 + \sigma^2}\,. \tag{4}$$