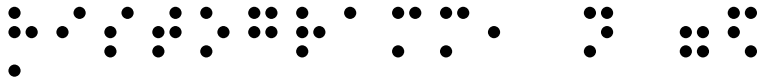
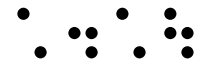
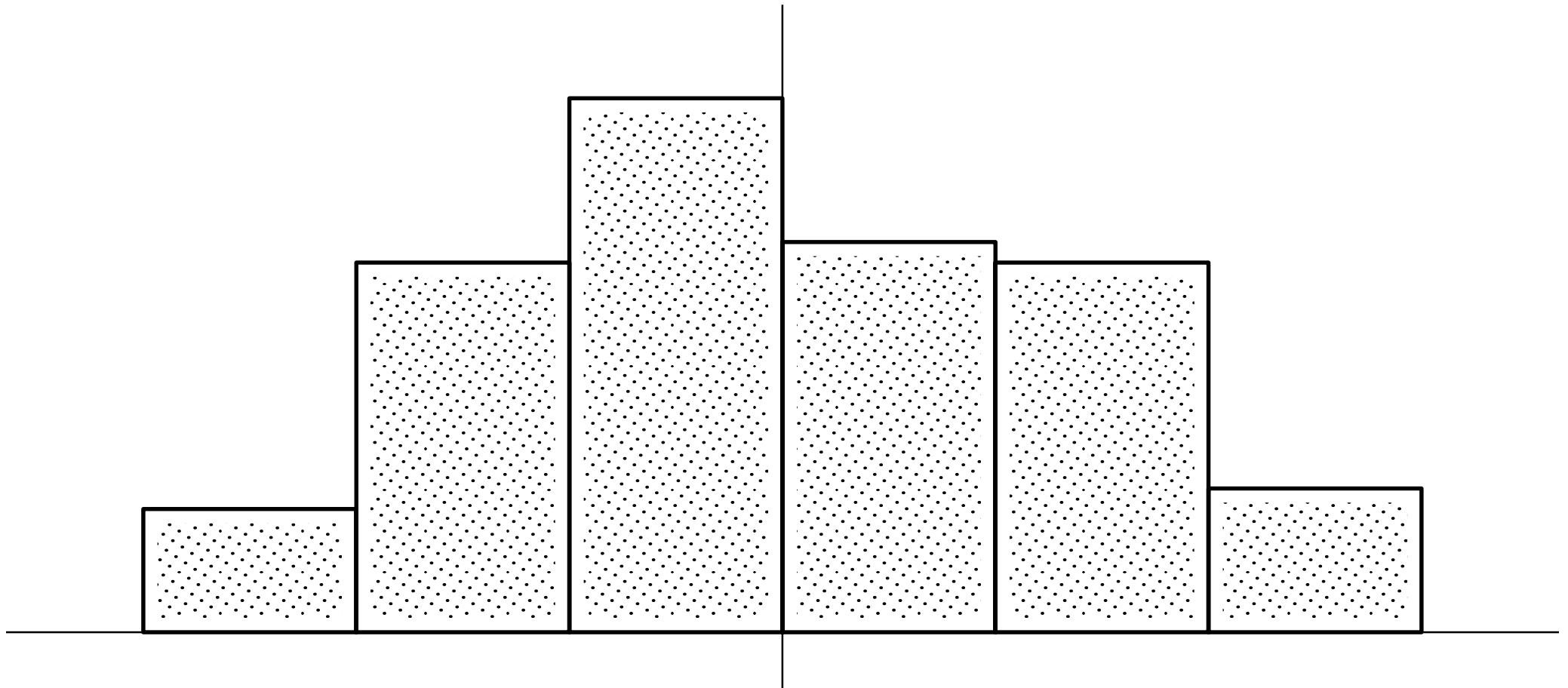
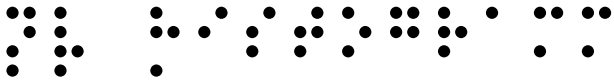


NV Histogramm, 1/18

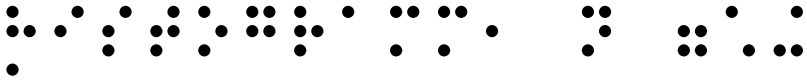
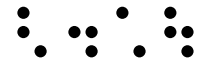


Histogramm, n =6

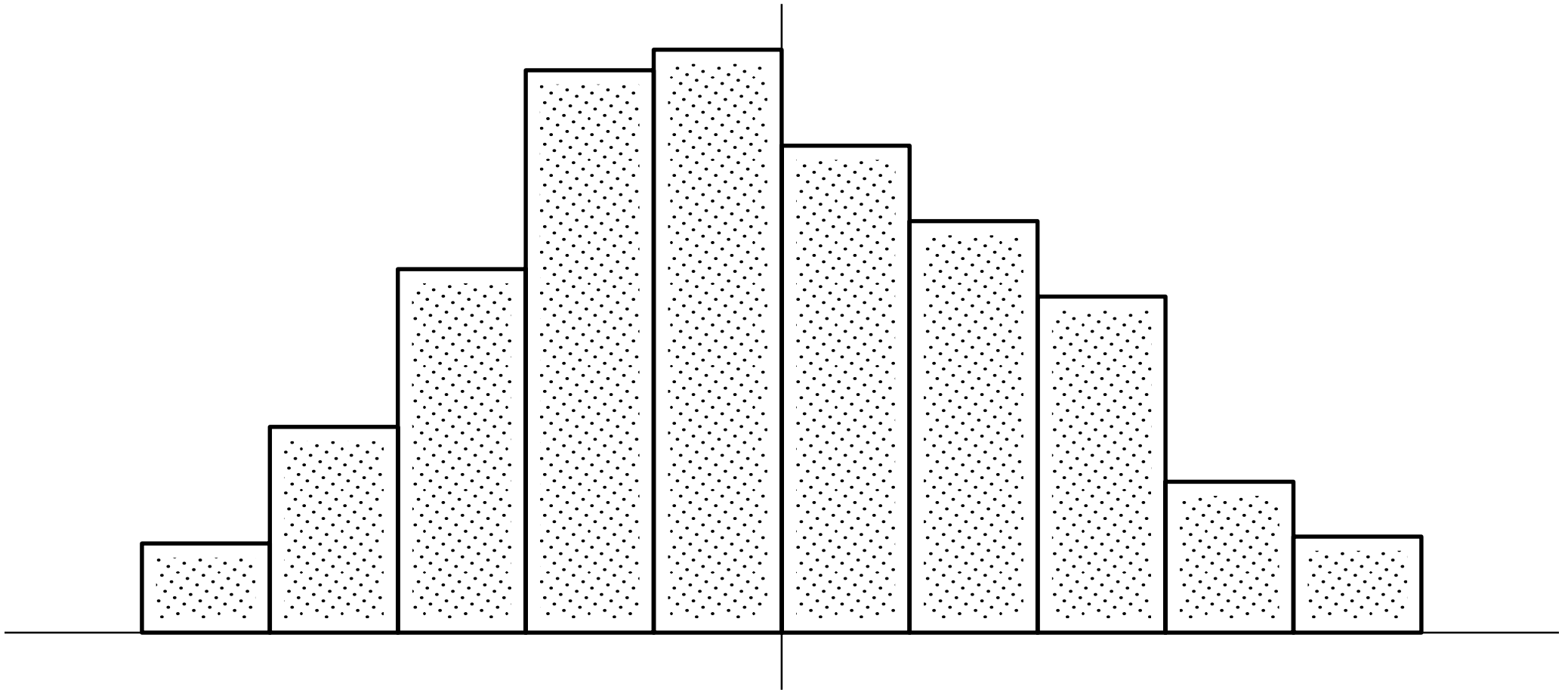


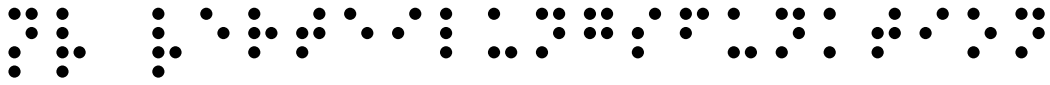


NV Histogramm, 2/18

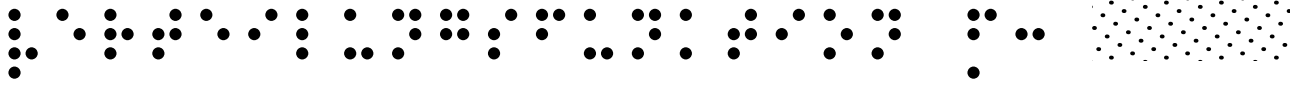


Histogramm, n =10

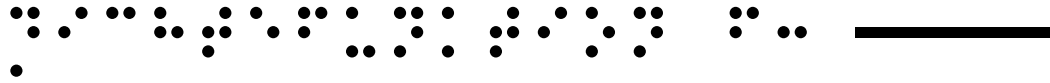




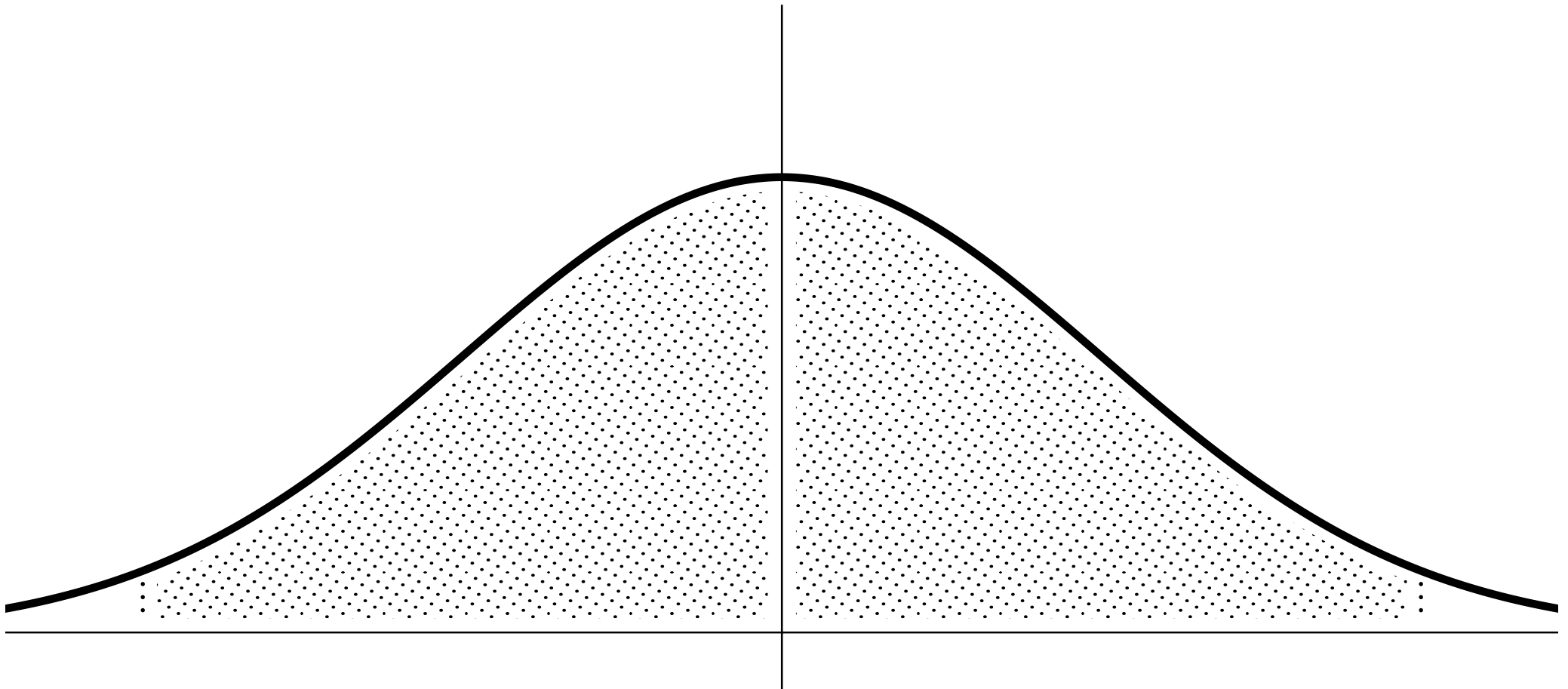
NV Verteilungsfunktion, 3/18

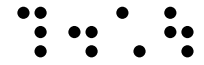


Verteilungsfunktion

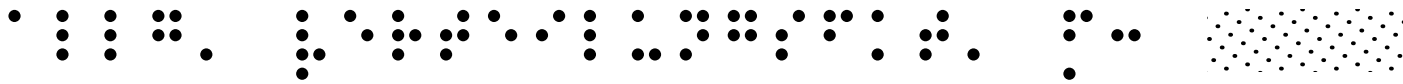
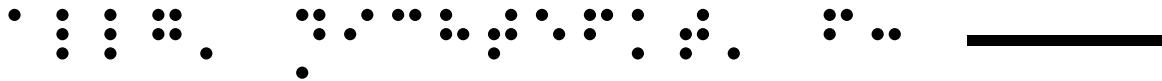


Dichtefunktion

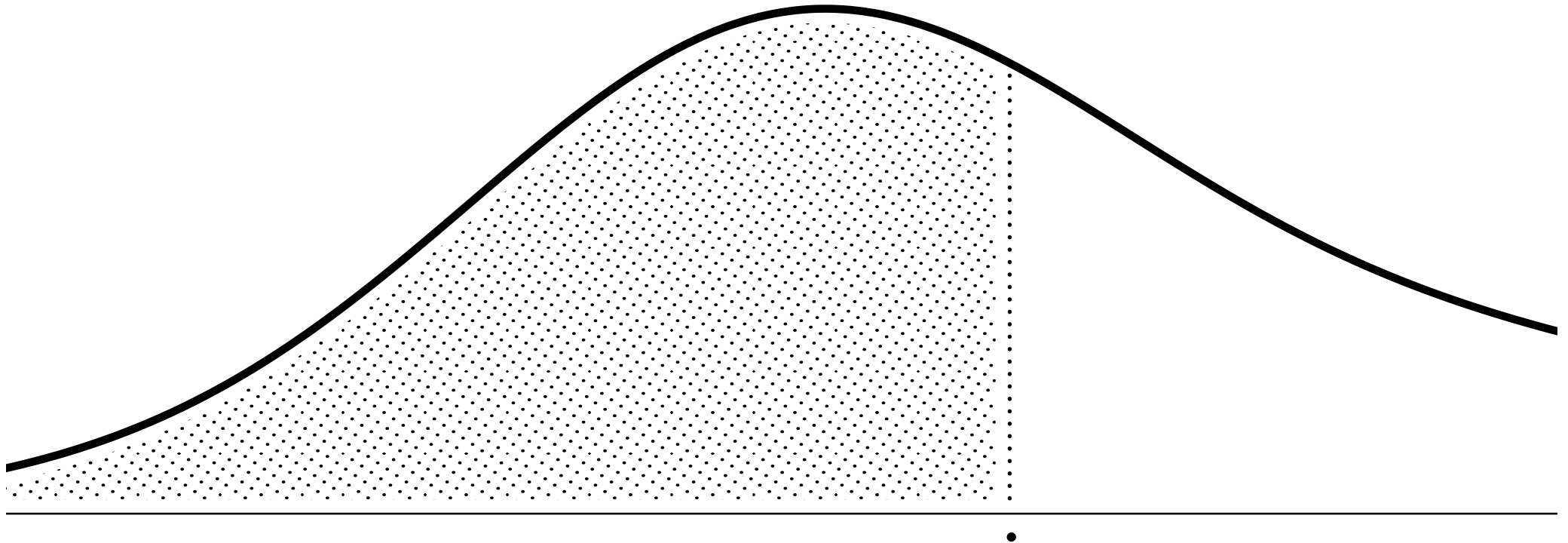


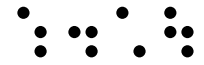


NV allg Verteilungsfunktion, 4/18

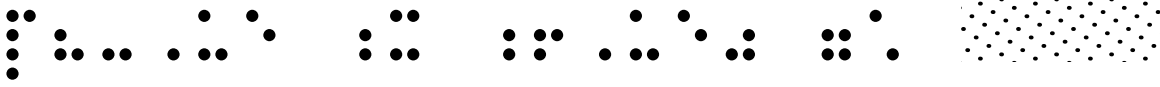


$P(X \leq a) = F(a)$ allgemeine Dichtefunktion f allgemeine Verteilungsfunktion F

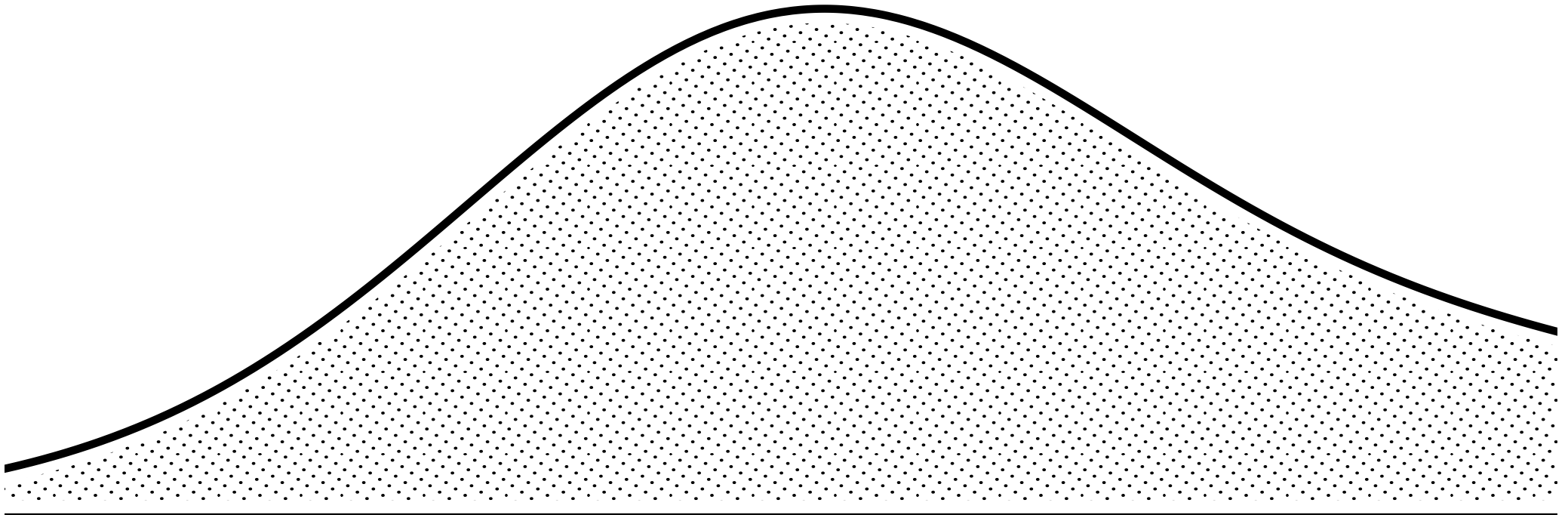


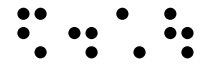
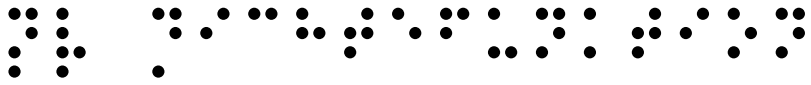


NV allg Verteilungsfunktion, 5/18

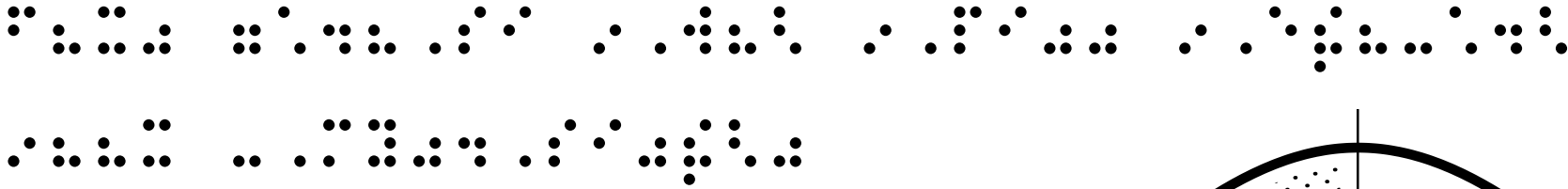


$P(-\infty < x < +\infty) = 1$

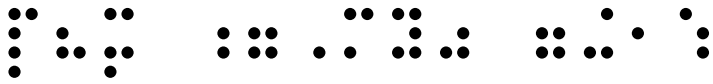




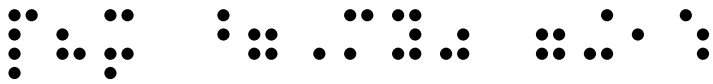
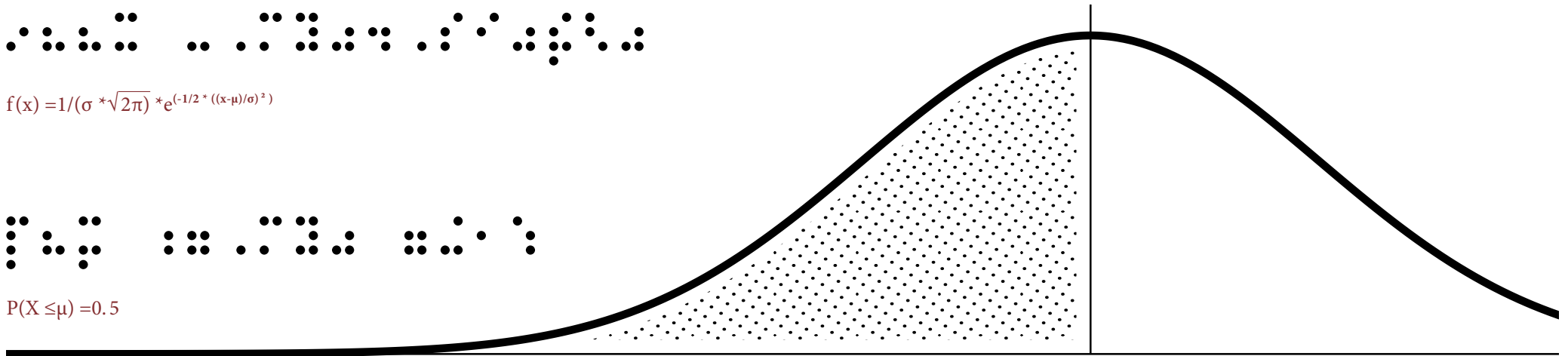
NV Dichtefunktion, 6/18



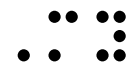
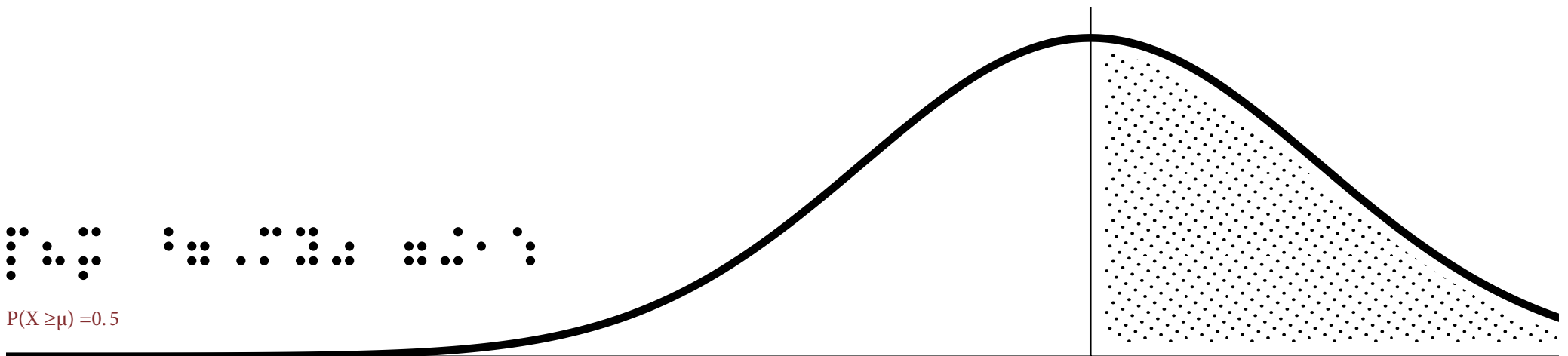
$$f(x) = \frac{1}{(\sigma \cdot \sqrt{2\pi})} \cdot e^{-1/2 \cdot ((x-\mu)/\sigma)^2}$$

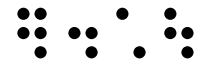
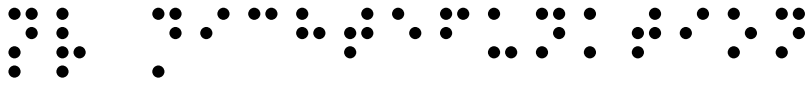


$$P(X \leq \mu) = 0.5$$

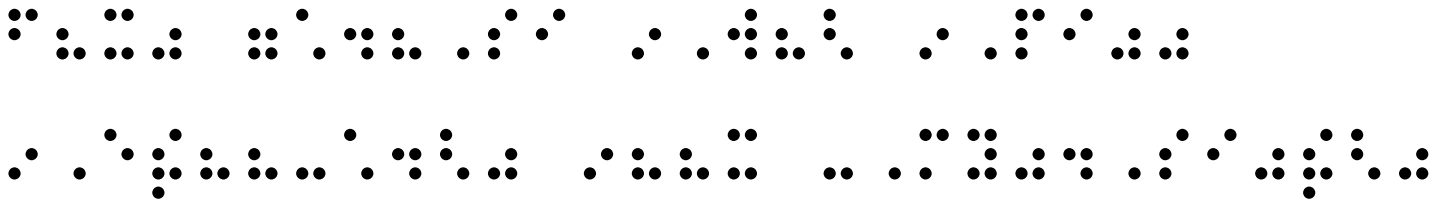


$$P(X \geq \mu) = 0.5$$

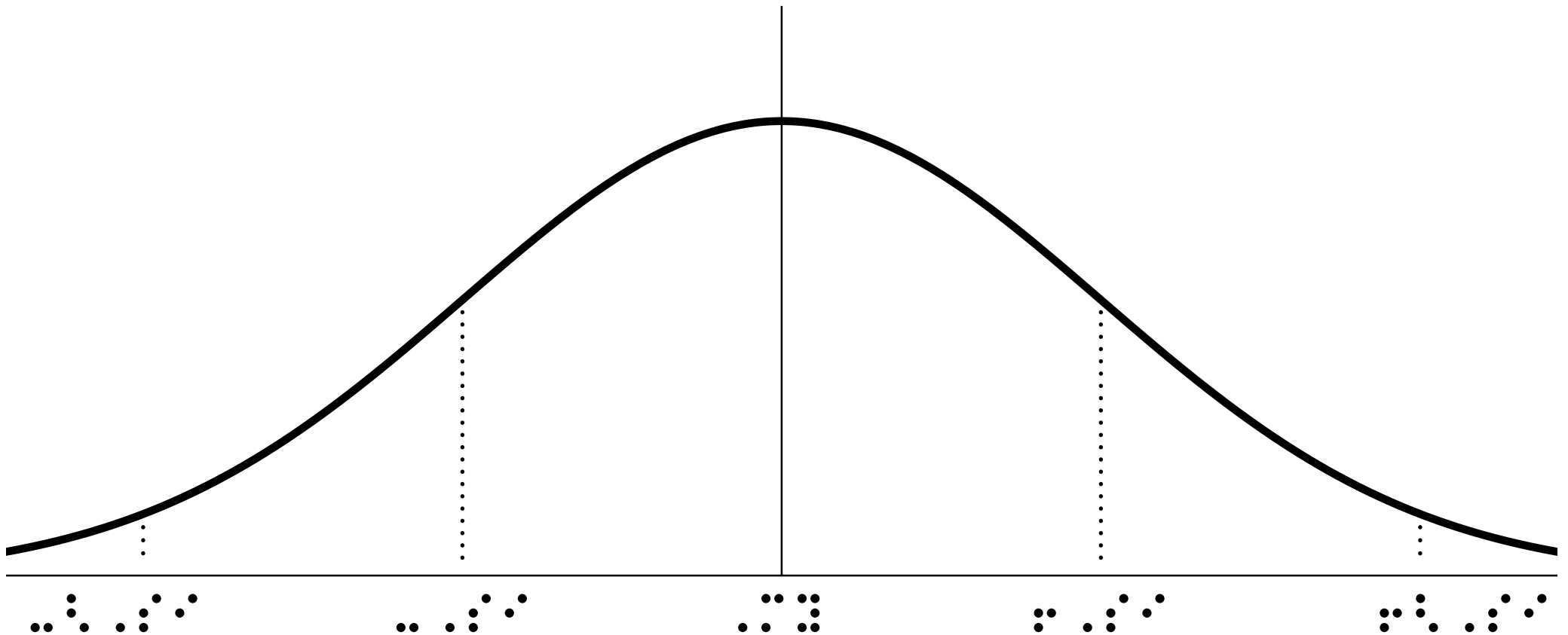




NV Dichtefunktion, 7/18



$$f(x) = 1/(\sigma \cdot \sqrt{2\pi}) \cdot e^{(-1/2) \cdot ((x-\mu)/\sigma)^2}$$



Braille representation of the title: NV Dichtefunktion Standard, 8/18

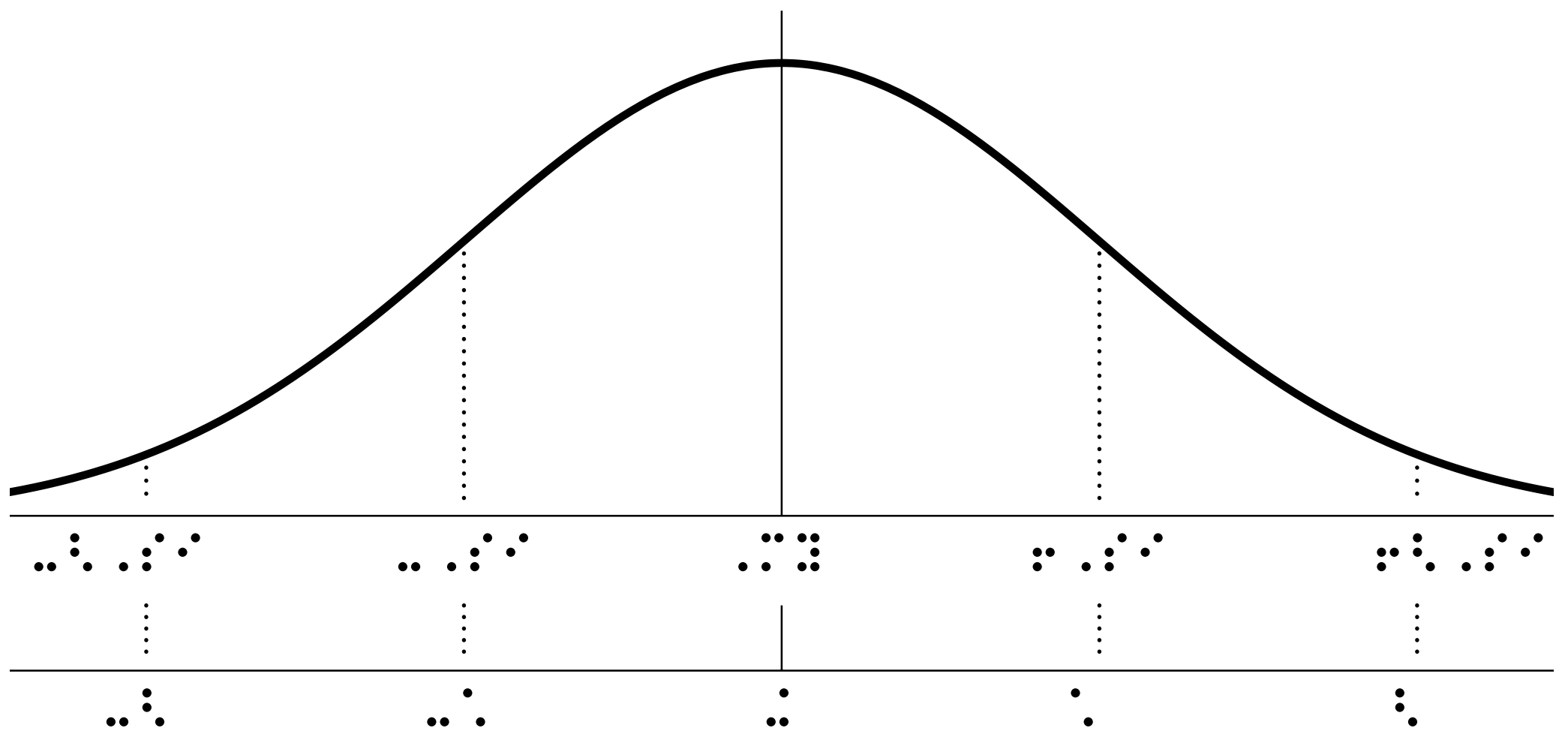
Braille representation of the page number: 8/18



NV Dichtefunktion Standard, 8/18

Braille representation of the title: NV Dichtefunktion Standard, 8/18

$$\varphi(z) = 1/\sqrt{2\pi} * e^{(-z^2/2)}$$



Braille representation of the title: NV Dichtefunktion Standard, 9/18

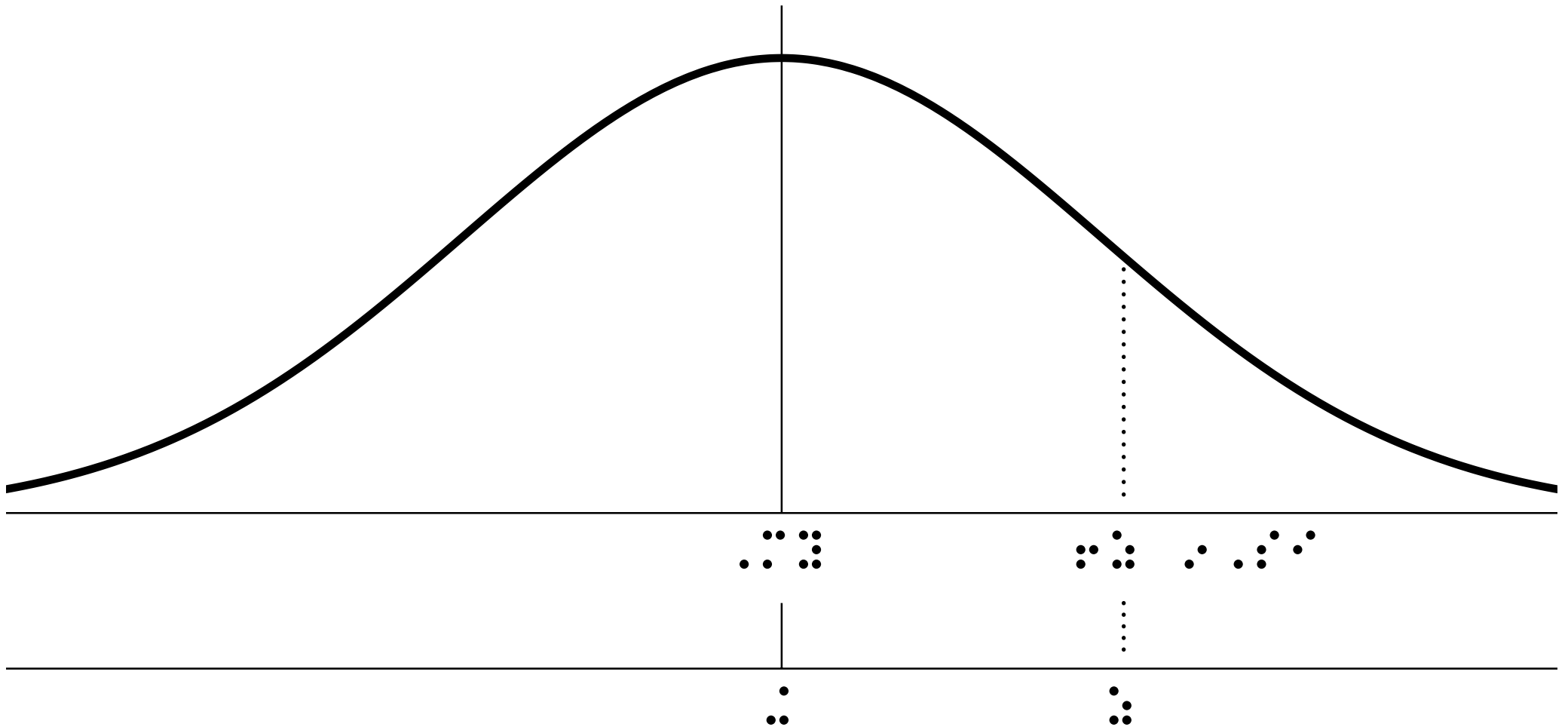
Braille representation of the number 9/18

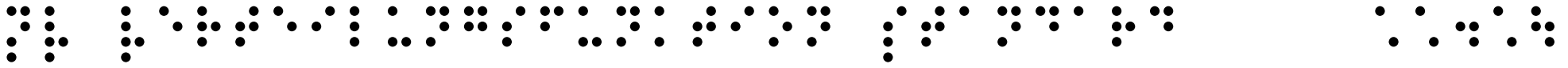


NV Dichtefunktion Standard, 9/18

Braille representation of the title: NV Dichtefunktion Standard, 9/18

$$\varphi(z) = f(\mu + z \cdot \sigma)$$

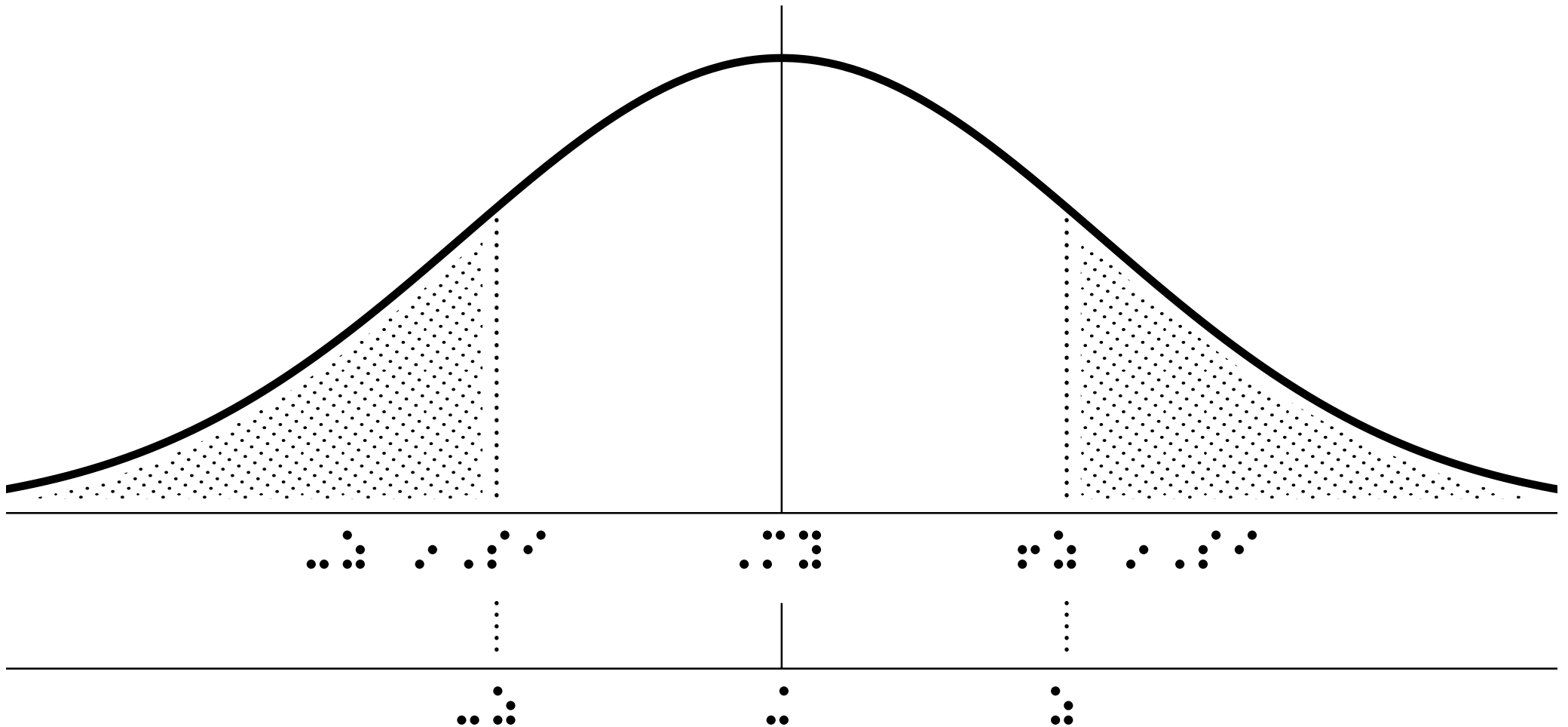


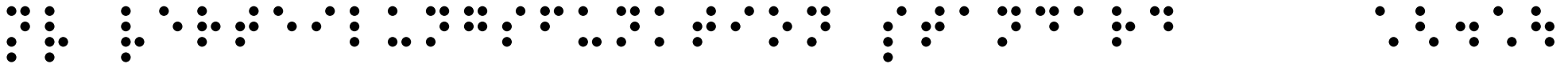


NV Verteilungsfunktion Standard, 11/18



$$1 - \Phi(z) = \Phi(-z)$$

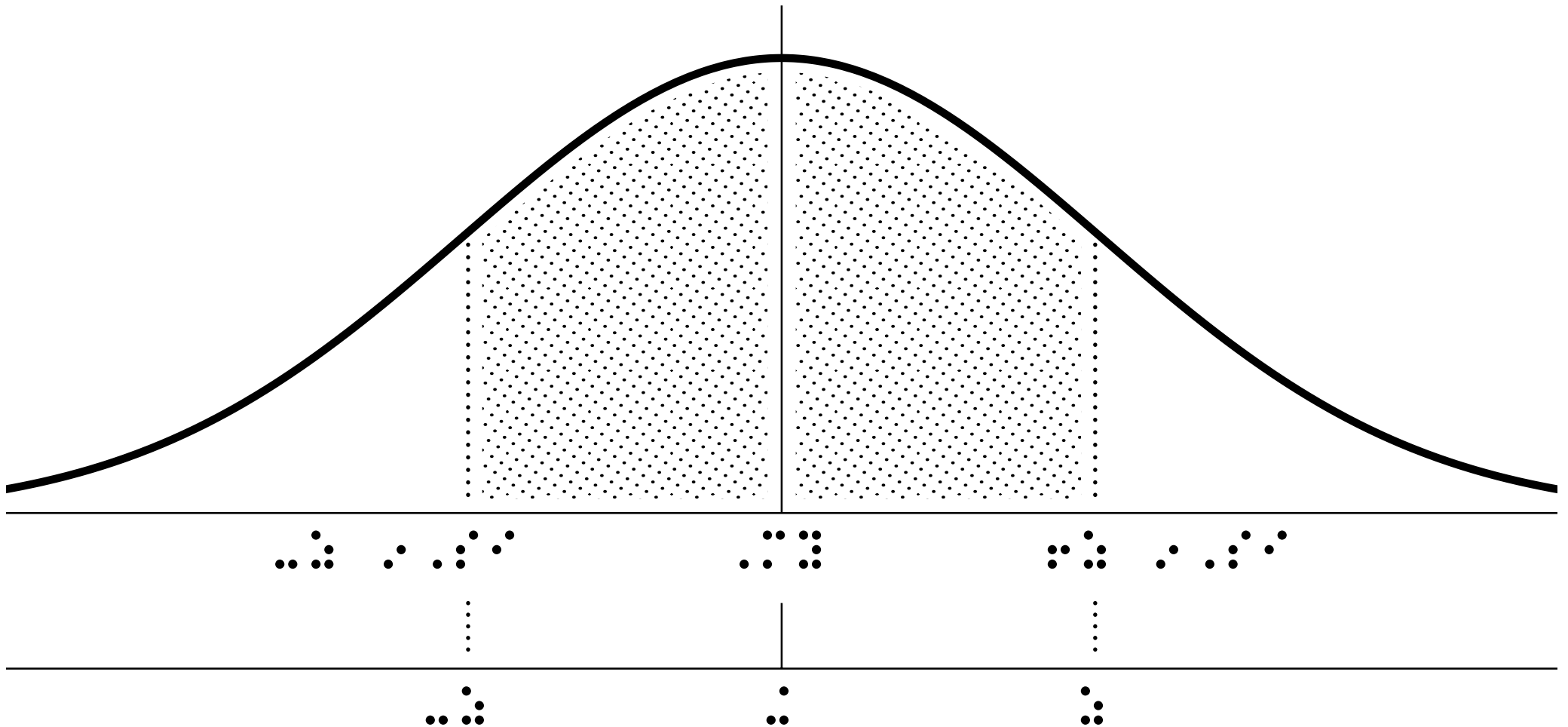


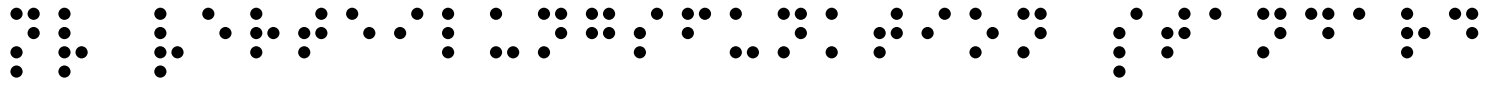


NV Verteilungsfunktion Standard, 12/18

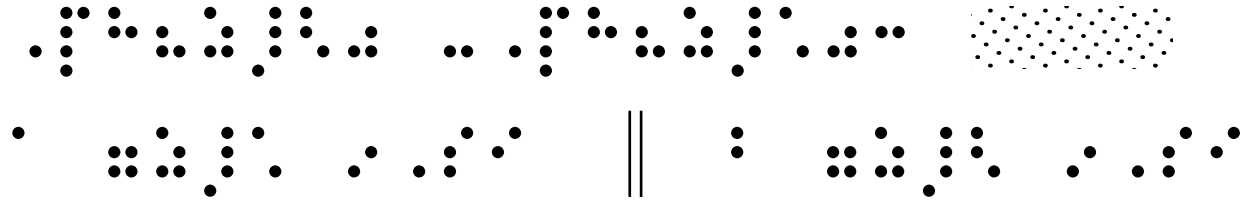


$$2 \cdot \Phi(z) - 1$$

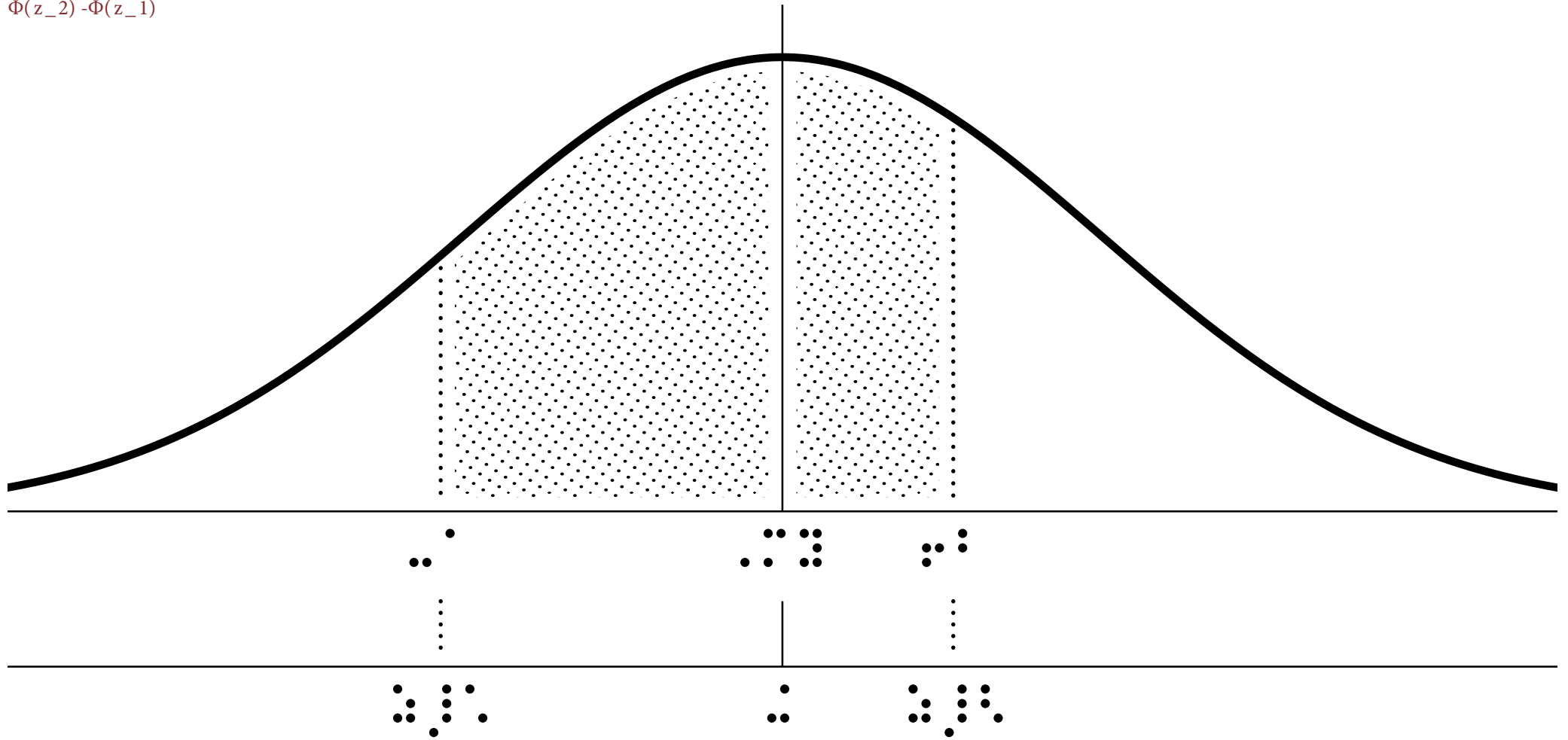


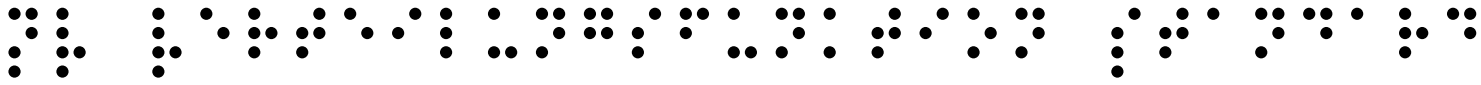


NV Verteilungsfunktion Standard, 13/18



$$\Phi(z_2) - \Phi(z_1)$$

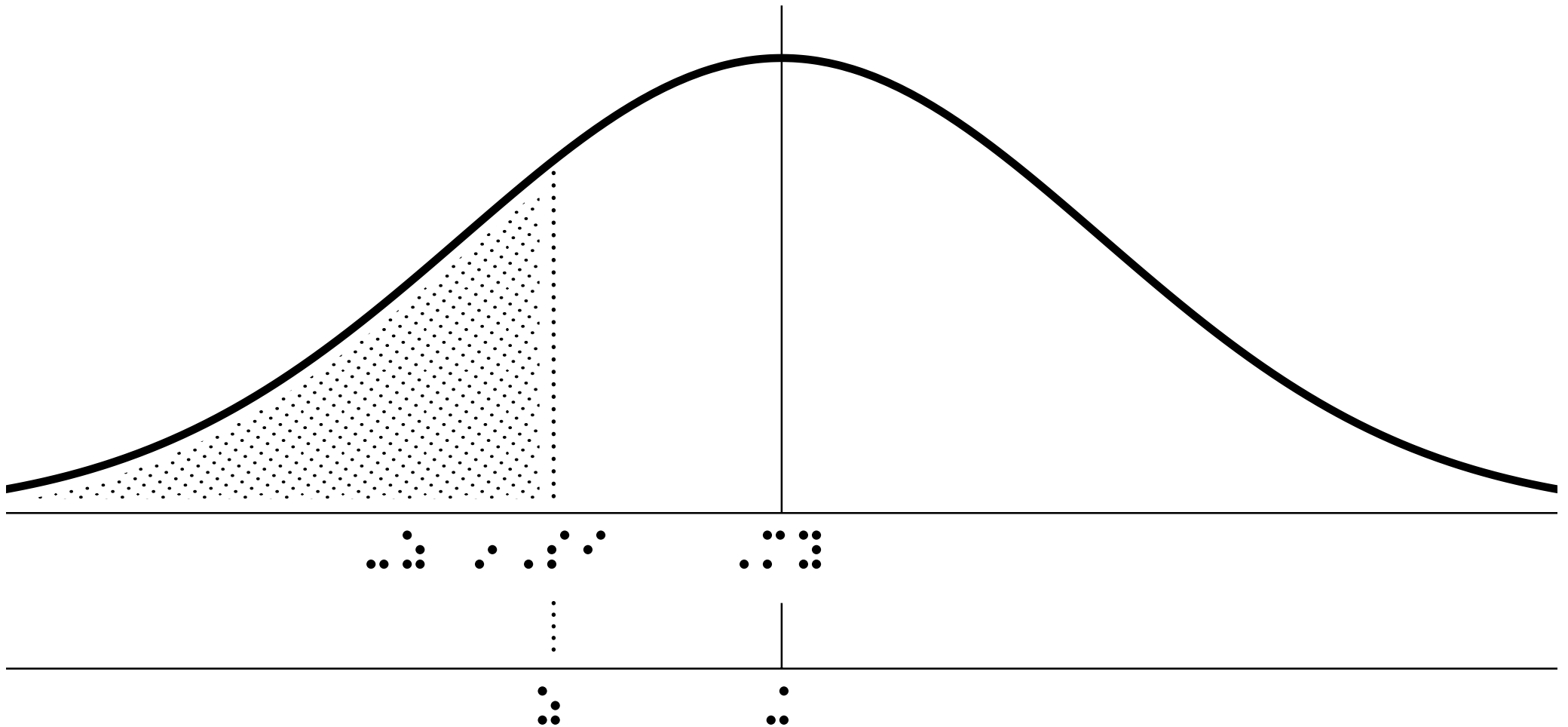


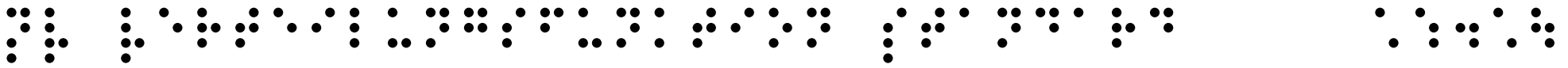


NV Verteilungsfunktion Standard, 14/18



$\Phi(z)$

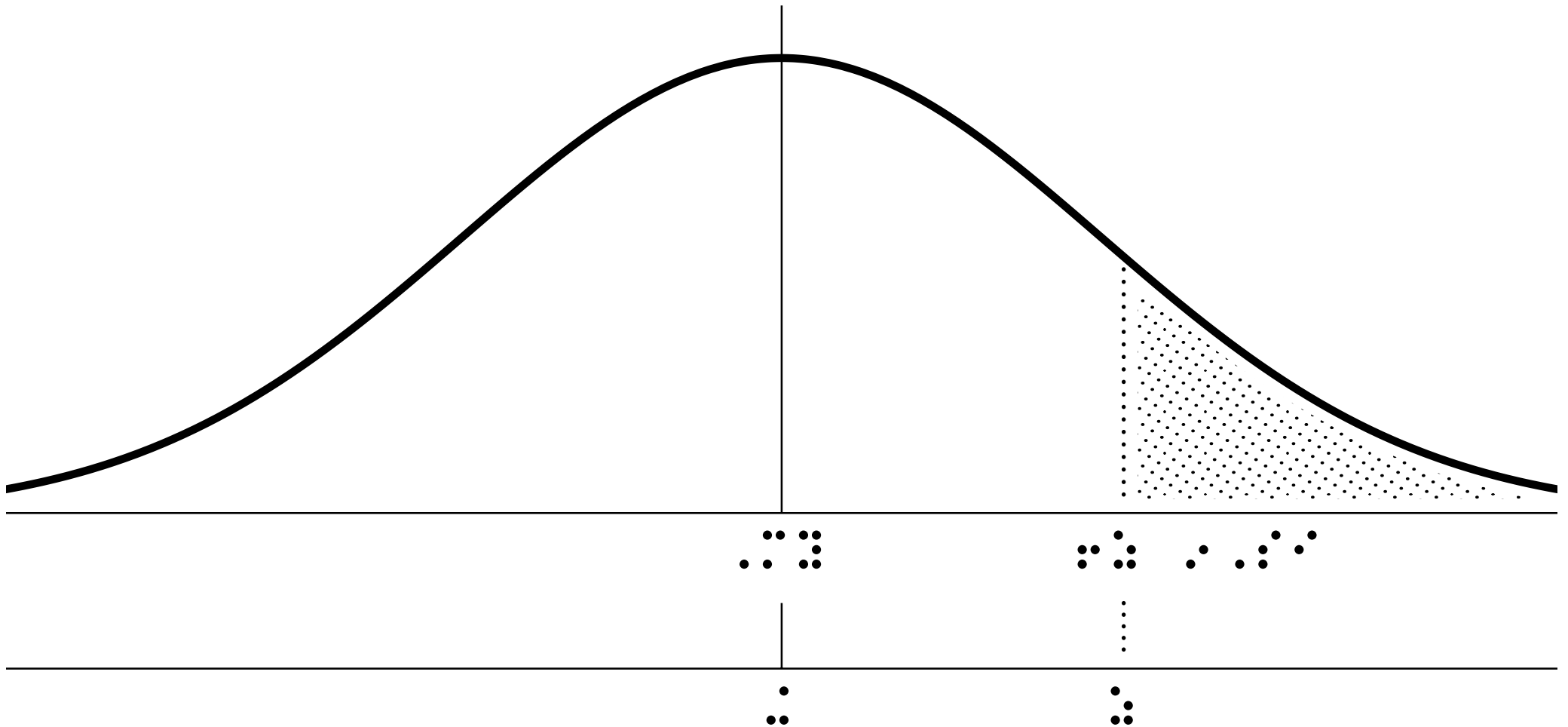


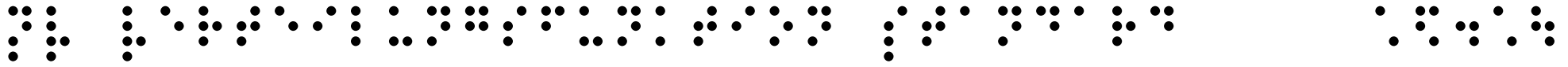


NV Verteilungsfunktion Standard, 15/18

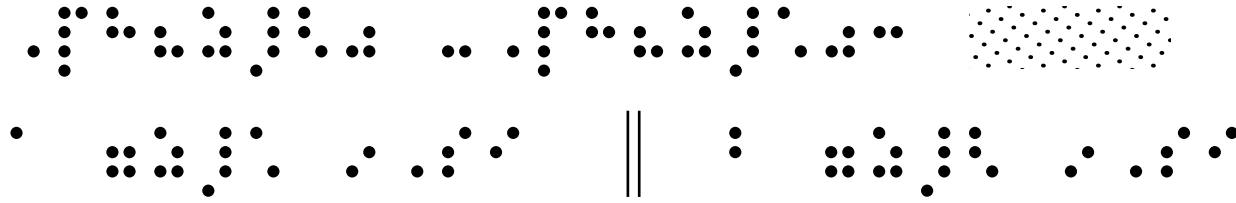


$1 - \Phi(z)$

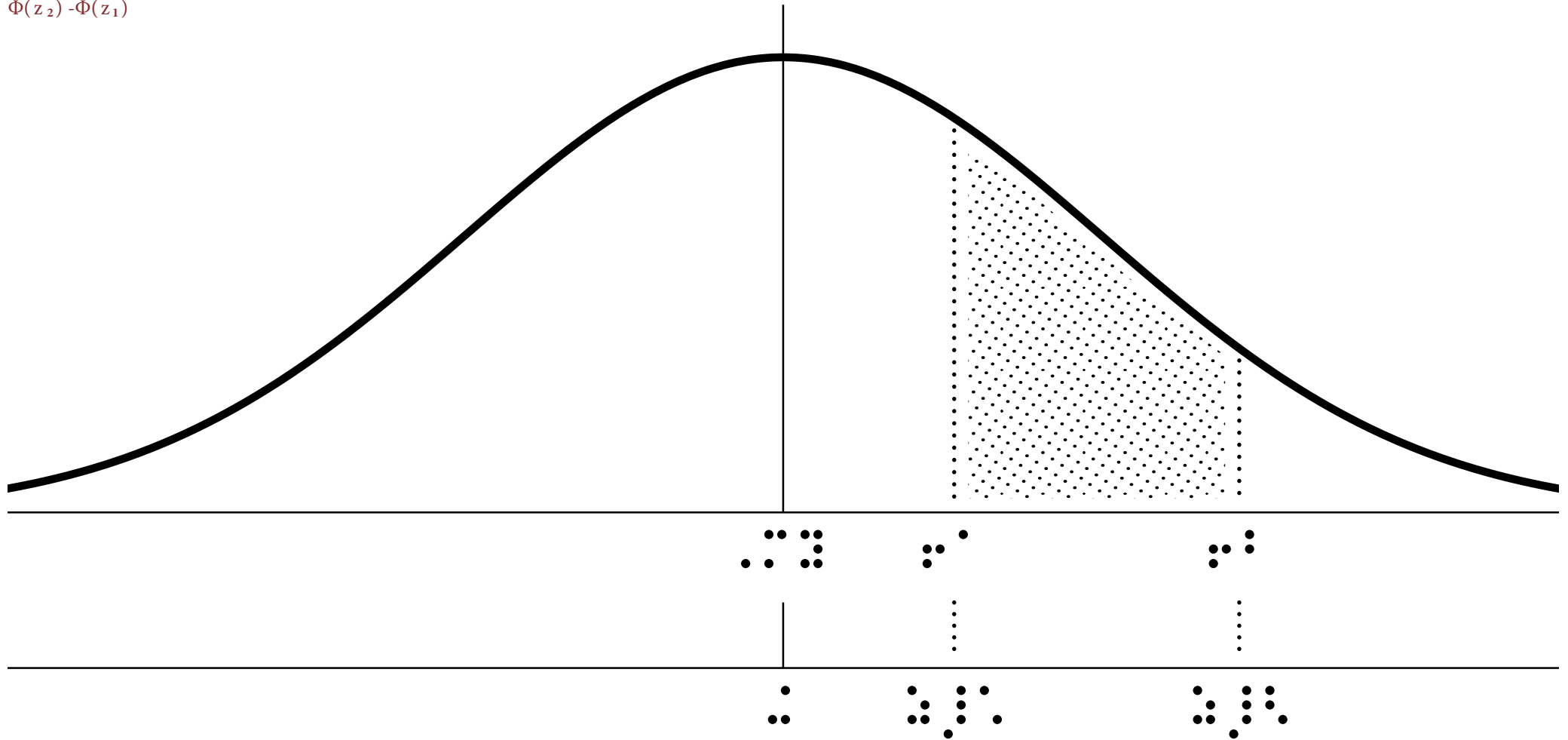


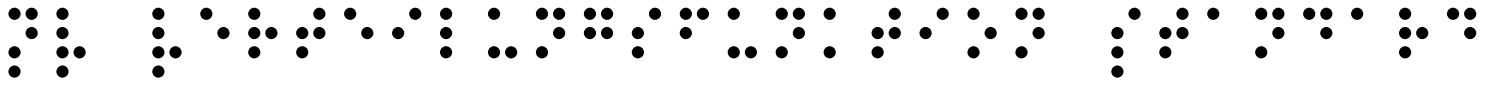


NV Verteilungsfunktion Standard, 16/18

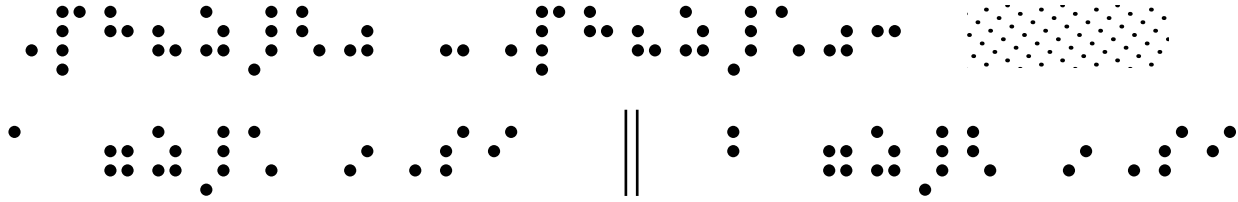


$\Phi(z_2) - \Phi(z_1)$

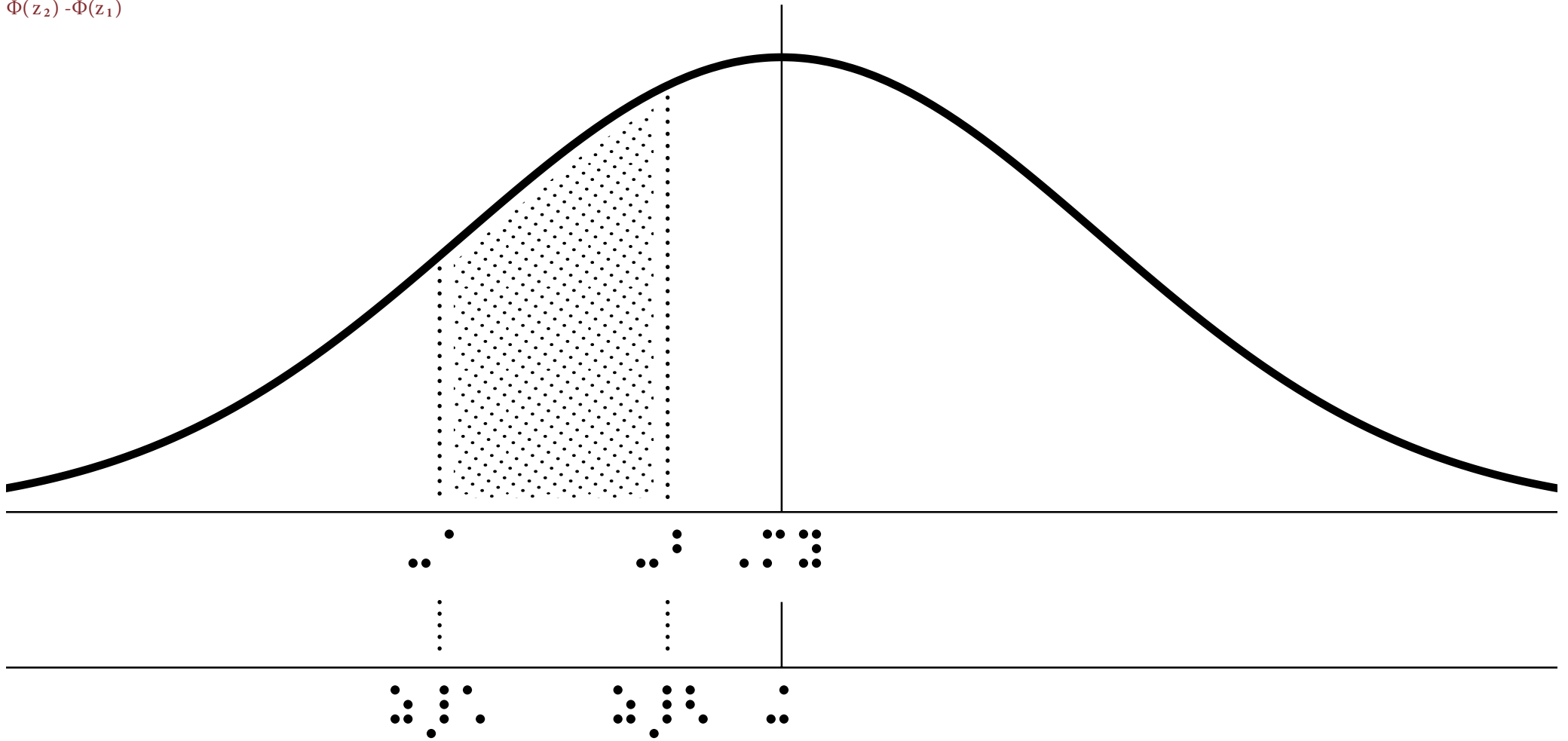




NV Verteilungsfunktion Standard, 17/18

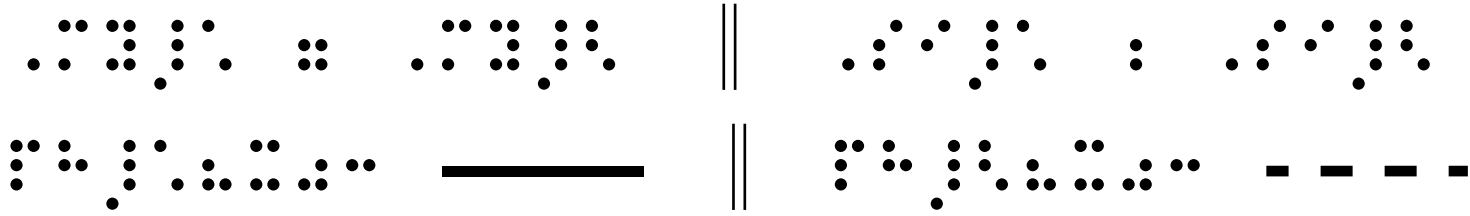


$\Phi(z_2) - \Phi(z_1)$





NV Dichtefunktionen Vergleich, 18/18



$\mu_1 = \mu_2 \quad \sigma_1 < \sigma_2$

