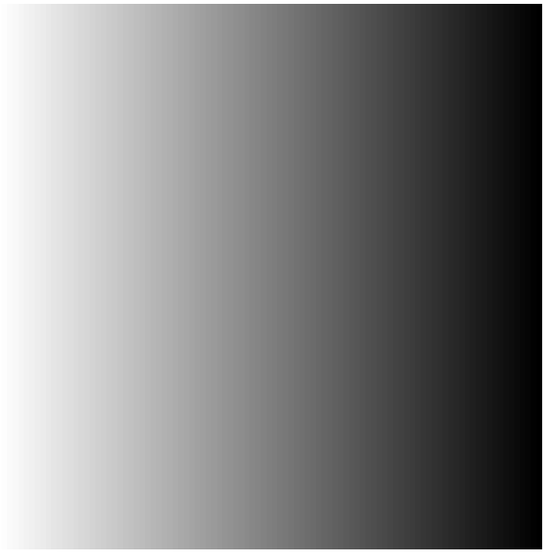
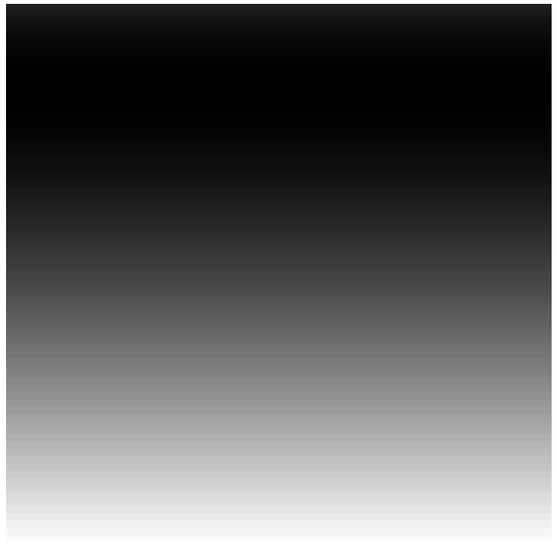
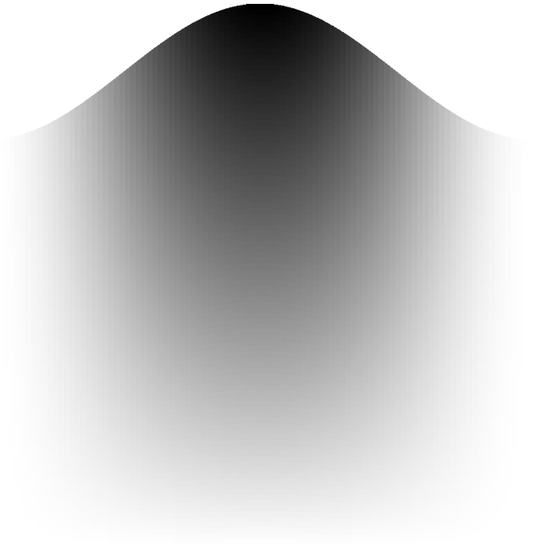
$$u^{*\,(1)} = \left\{ \frac{x}{L} \quad 0 \right\}$$



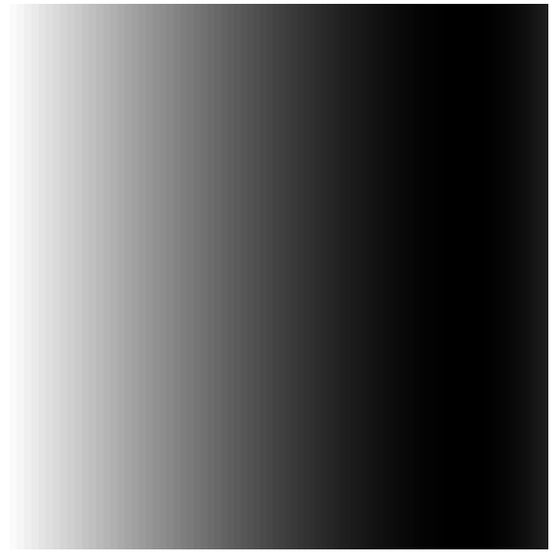
$$u^{*\,(2)} = \left\{ 0 \quad \sin\left(\frac{2\pi y}{3L}\right) \right\}$$



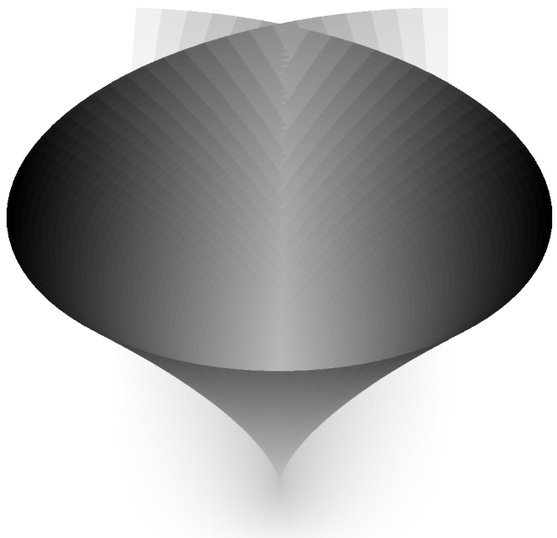
$$u^{*\,(3)} = \left\{ 0 \quad \frac{y}{L}\sin^2\left(\frac{\pi x}{L}\right) \right\}$$



$$u^{*\,(4)} = \left\{ \sin\left(\frac{2\pi x}{3L}\right) \quad 0 \right\}$$



$$u^{*\,(5)} = \left\{ \frac{\pi y^2}{L^2}\sin\left(\frac{2\pi x}{L}\right) \quad -\frac{2y}{L}\sin^2\left(\frac{\pi x}{L}\right) \right\}$$



$$u^{*\,(6)} = \left\{ \frac{y^2}{L^2}\sin\left(\frac{\pi x}{L}\right) \quad \frac{x^2}{L^2}\sin\left(\frac{\pi y}{L}\right) \right\}$$