$$u^{*\ (1)} = \left\{ \dfrac{x}{L} \quad 0 \right\}$$
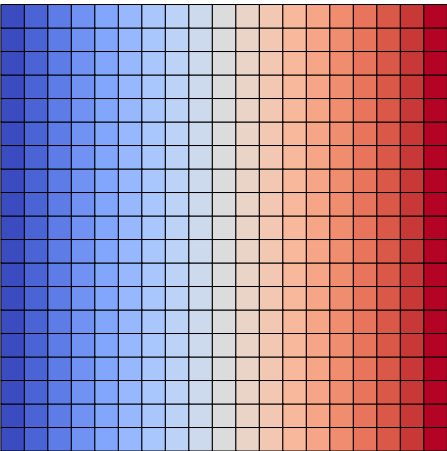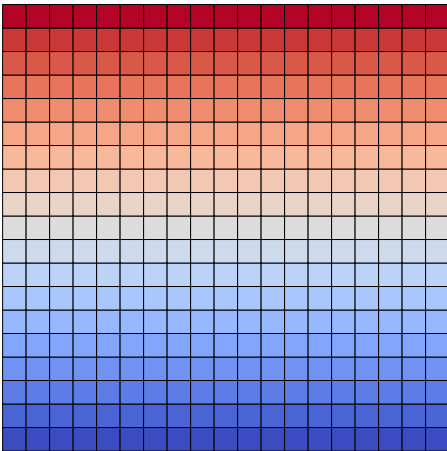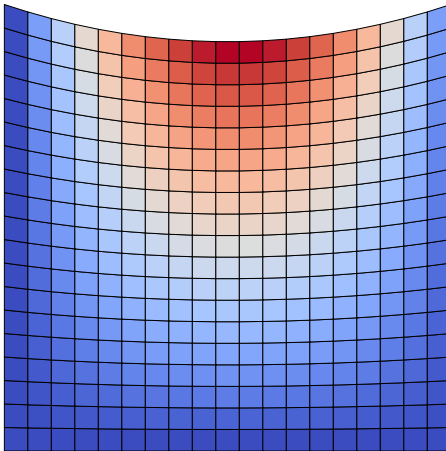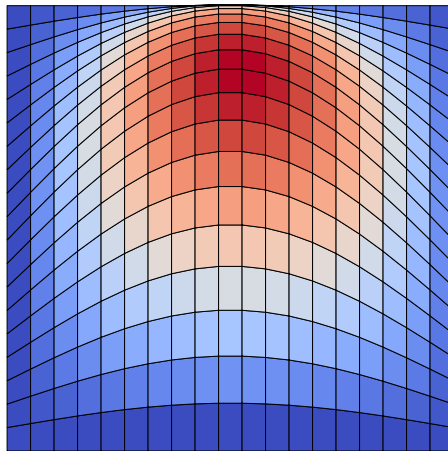
$$u^{*\ (2)} = \left\{ 0 \quad \dfrac{y}{L} \right\}$$

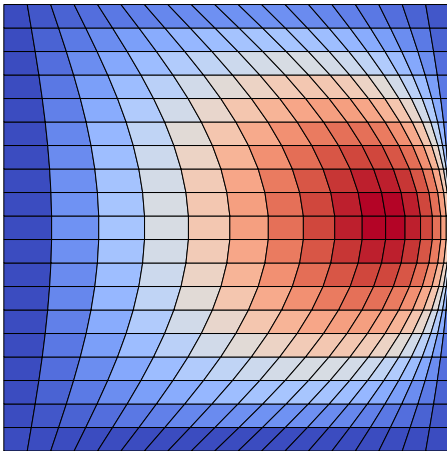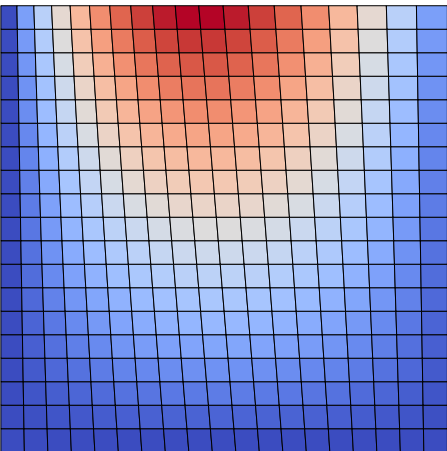$$u^{*\ (3)} = \left\{ 0 \quad y\dfrac{x^2 - xL}{L^3} \right\}$$

$$u^{*\ (4)} = \left\{ 0 \quad \sin\left(\dfrac{x\pi}{L}\right)\sin\left(\dfrac{y\pi}{L}\right) \right\}$$
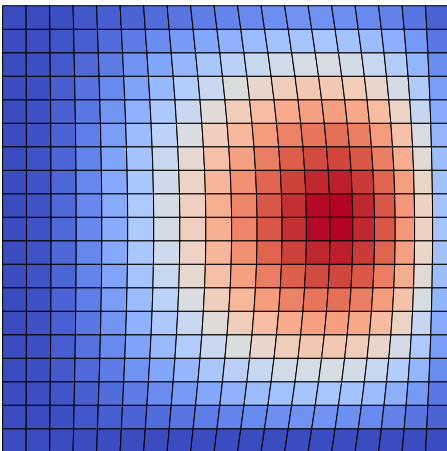
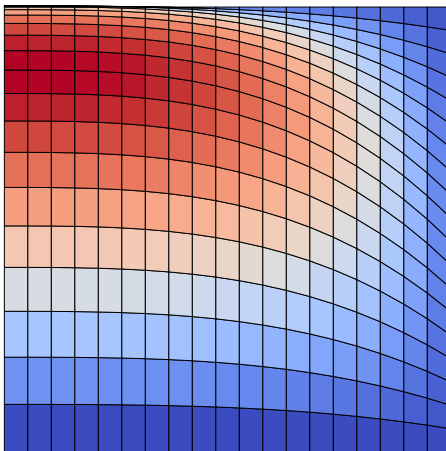$$u^{*\ (5)} = \left\{ \sin\left(\dfrac{x\pi}{L}\right)\sin\left(\dfrac{y\pi}{L}\right) \quad 0 \right\}$$

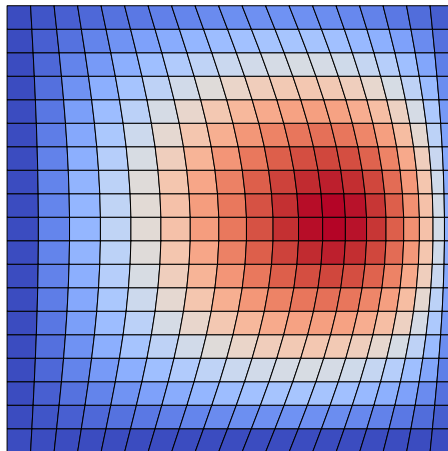$$u^{*\ (6)} = \left\{ \dfrac{xy(x - L)}{L^3} \quad 0 \right\}$$

$$u^{*\ (7)} = \left\{ \dfrac{x^2(L - x)}{L^3}\sin\left(\dfrac{y\pi}{L}\right) \quad 0 \right\}$$
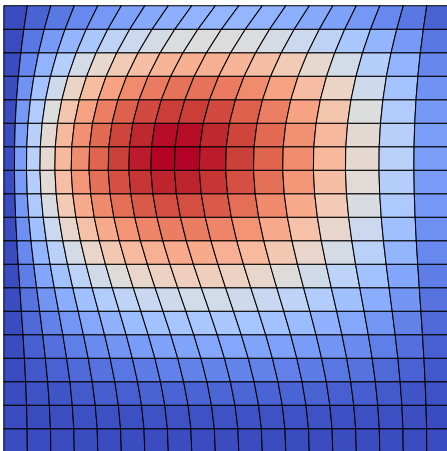
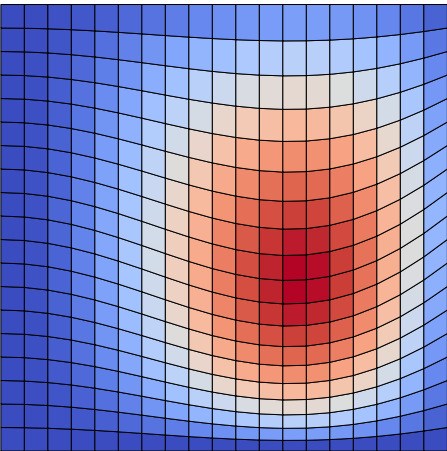$$u^{*\ (8)} = \left\{ 0 \quad \dfrac{L^3 - x^3}{L^3}\sin\left(\dfrac{y\pi}{L}\right) \right\}$$

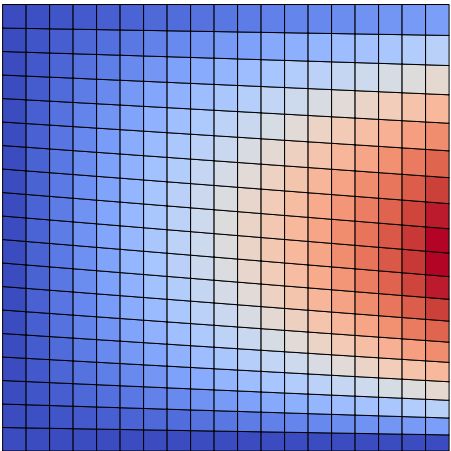$$u^{*\ (9)} = \left\{ \dfrac{xL^2 - x^3}{L^3}\sin\left(\dfrac{y\pi}{L}\right) \quad 0 \right\}$$

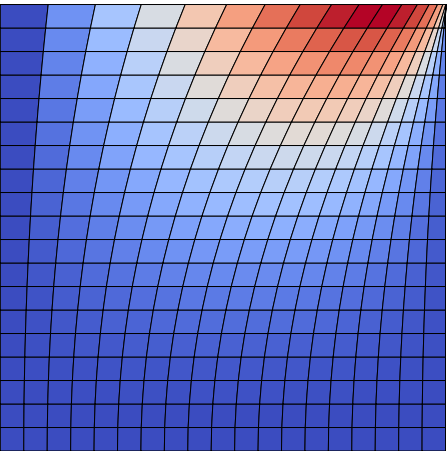$$u^{*\ (10)} = \left\{ \dfrac{xy(x - L)}{L^2}\sin\left(\dfrac{y\pi}{L}\right) \quad 0 \right\}$$

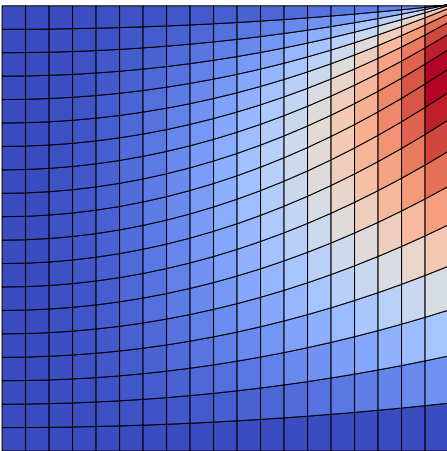$$u^{*\ (11)} = \left\{ 0 \quad \frac{xy(y-L)}{L^2}\sin\left(\frac{x\pi}{L}\right) \right\}$$

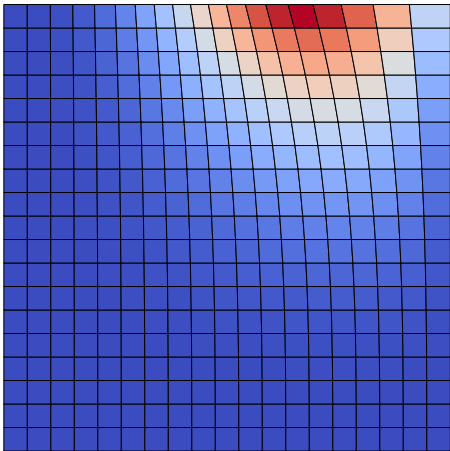$$u^{*\ (12)} = \left\{ 0 \quad \frac{xy(y-L)}{L^3} \right\}$$

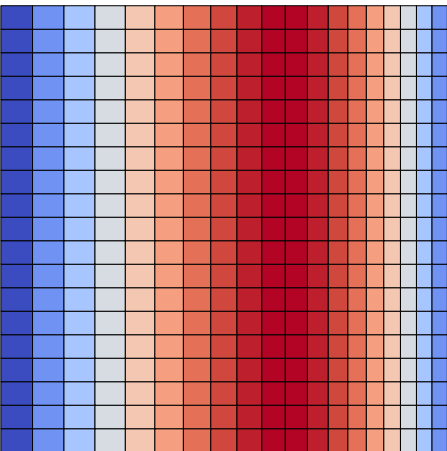$$u^{*\ (13)} = \left\{ \frac{y^2}{L^2}\sin\left(\frac{x\pi}{L}\right) \quad 0 \right\}$$

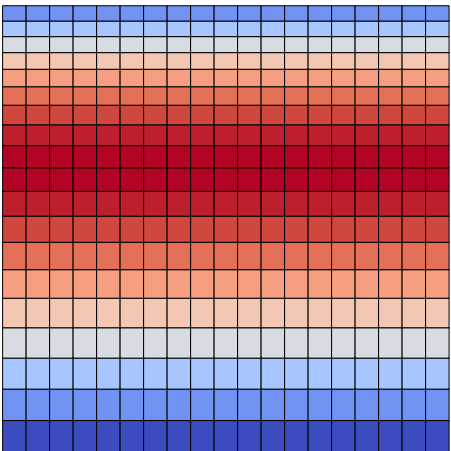$$u^{*\ (14)} = \left\{ 0 \quad \frac{x^2}{L^2}\sin\left(\frac{y\pi}{L}\right) \right\}$$

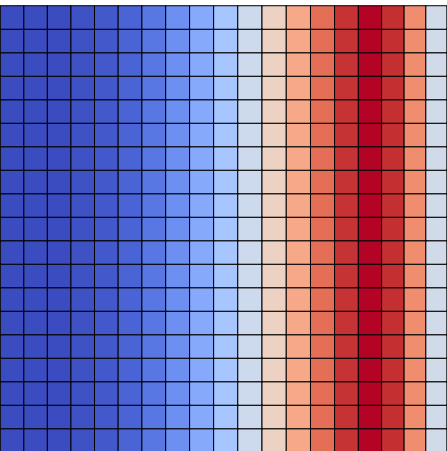$$u^{*\ (15)} = \left\{ \frac{xy(x-L)}{L^2}\sin\left(\frac{x^2y^2}{L^4}\right) \quad 0 \right\}$$

$$u^{*\ (16)} = \left\{ \sin\left(\frac{x\pi}{L}\right)\frac{1}{L} \quad 0 \right\}$$

$$u^{*\ (17)} = \left\{ 0 \quad \sin\left(\frac{y\pi}{L}\right)\frac{1}{L} \right\}$$

$$u^{*\ (18)} = \left\{ \sin\left(\frac{x^3\pi}{L^3}\right)\frac{1}{L^3} \quad 0 \right\}$$

$$u^{*\ (19)} = \left\{ 0 \quad \sin\left(\frac{y^3\pi}{L^3}\right)\frac{1}{L^3} \right\}$$