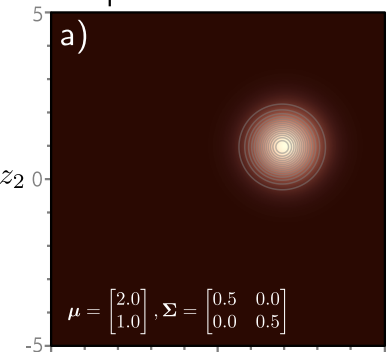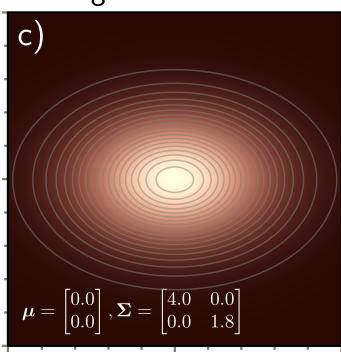Spherical covariance — Diagonal covariance — Full covariance

a) $\boldsymbol{\mu} = \begin{bmatrix} 2.0 \\ 1.0 \end{bmatrix}, \boldsymbol{\Sigma} = \begin{bmatrix} 0.5 & 0.0 \\ 0.0 & 0.5 \end{bmatrix}$

b) $\boldsymbol{\mu} = \begin{bmatrix} -2.0 \\ 1.6 \end{bmatrix}, \boldsymbol{\Sigma} = \begin{bmatrix} 2.0 & 0.0 \\ 0.0 & 2.0 \end{bmatrix}$

c) $\boldsymbol{\mu} = \begin{bmatrix} 0.0 \\ 0.0 \end{bmatrix}, \boldsymbol{\Sigma} = \begin{bmatrix} 4.0 & 0.0 \\ 0.0 & 1.8 \end{bmatrix}$

d) $\boldsymbol{\mu} = \begin{bmatrix} -2.0 \\ 2.0 \end{bmatrix}, \boldsymbol{\Sigma} = \begin{bmatrix} 0.3 & 0.0 \\ 0.0 & 1.8 \end{bmatrix}$

e) $\boldsymbol{\mu} = \begin{bmatrix} 0.0 \\ 2.0 \end{bmatrix}, \boldsymbol{\Sigma} = \begin{bmatrix} 3.9 & -0.5 \\ -0.5 & 1.1 \end{bmatrix}$

f) $\boldsymbol{\mu} = \begin{bmatrix} 1.0 \\ 0.0 \end{bmatrix}, \boldsymbol{\Sigma} = \begin{bmatrix} 0.8 & 0.7 \\ 0.7 & 1.3 \end{bmatrix}$