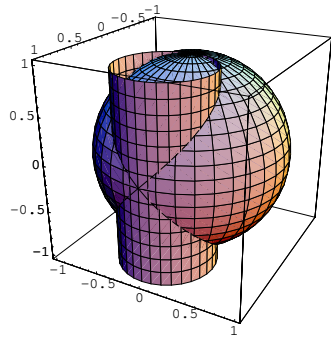
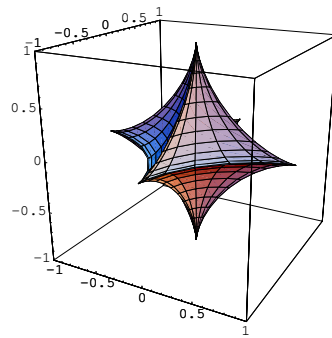


《資料5》

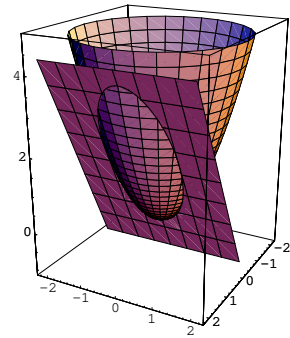
いろいろな曲面



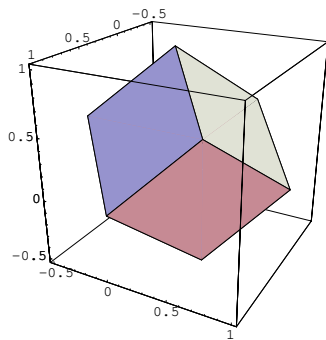
$$(1) \begin{cases} x^2 + y^2 + z^2 = 1 \\ x^2 + y^2 = x \end{cases}$$



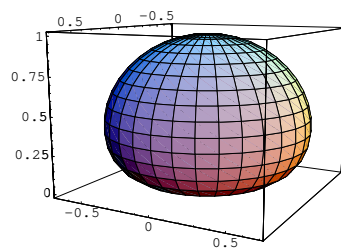
$$(2) x^{\frac{2}{3}} + y^{\frac{2}{3}} + z^{\frac{2}{3}} = 1$$



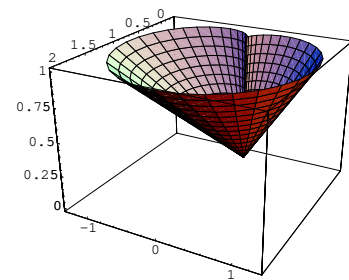
$$(3) \begin{cases} z = x^2 + y^2 \\ z = 2x \end{cases}$$



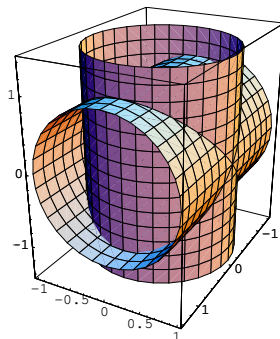
$$(4) \begin{cases} 0 \leq x + y \leq 1 \\ 0 \leq y + z \leq 1 \\ 0 \leq x + z \leq 1 \end{cases}$$



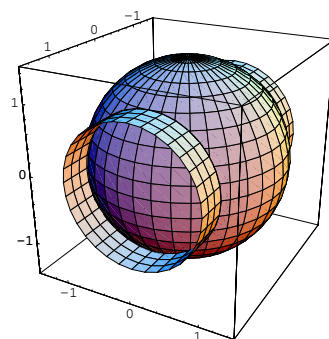
$$(5) (x^2 + y^2 + z^2)^2 = z$$



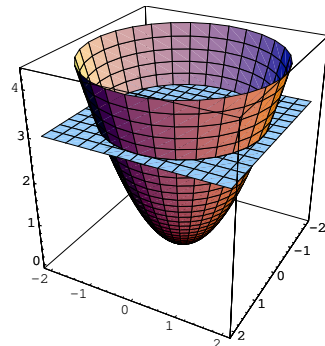
$$(6) r = (1 + \cos \theta)z \quad (0 \leq z \leq 1)$$



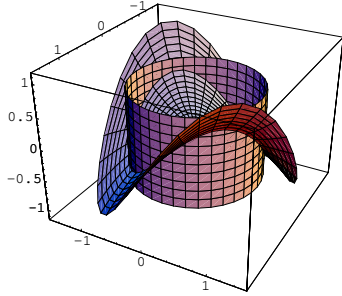
$$(7) \begin{cases} y^2 + z^2 = 1 \\ x^2 + y^2 = 1 \end{cases}$$



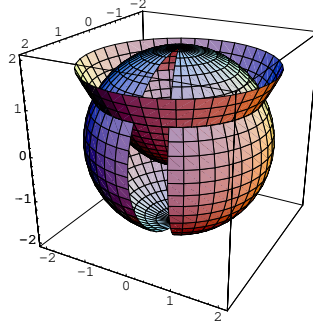
$$(8) \begin{cases} y^2 + z^2 = 1 \\ x^2 + y^2 + z^2 = 2 \end{cases}$$



$$(9) \begin{cases} z = x^2 + y^2 \\ z = 3 \end{cases}$$

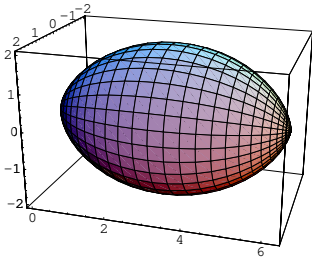


$$(10) \begin{cases} z = 2xy \\ x^2 + y^2 = 1 \end{cases}$$

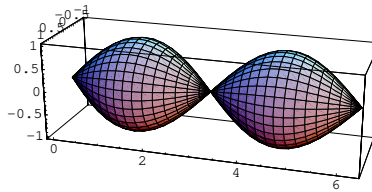


$$(11) \begin{cases} x^2 + y^2 + z^2 = 4 \\ x^2 + y^2 = 2z + 1 \end{cases}$$

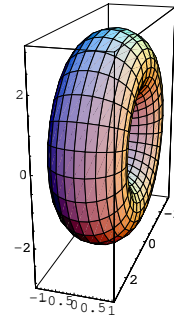
いろいろな回転面



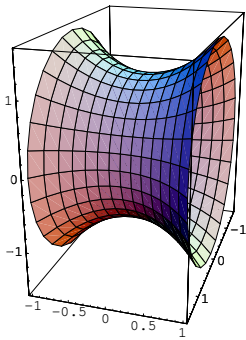
$$(1) \begin{cases} x = \theta - \sin \theta \\ y = 1 - \cos \theta \end{cases} \quad (0 \leq \theta \leq 2\pi)$$



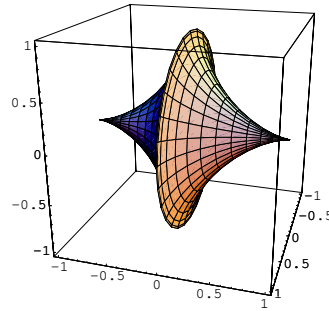
$$(2) y = \sin x \quad (0 \leq x \leq 2\pi)$$



$$(3) x^2 + (y - 2)^2 = 1$$



$$(4) y = \cosh x \quad (-1 \leq x \leq 1)$$



$$(5) x^{\frac{2}{3}} + y^{\frac{2}{3}} = 1$$