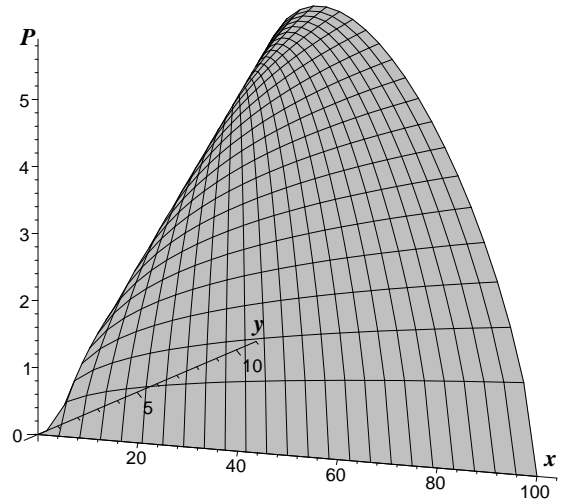
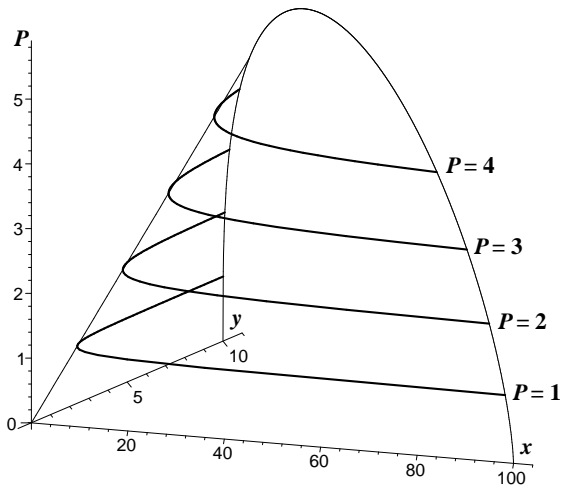
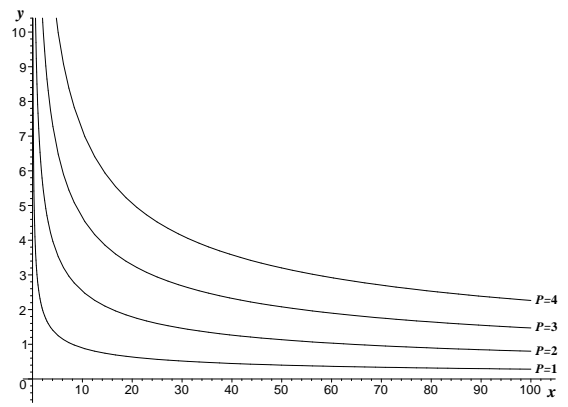
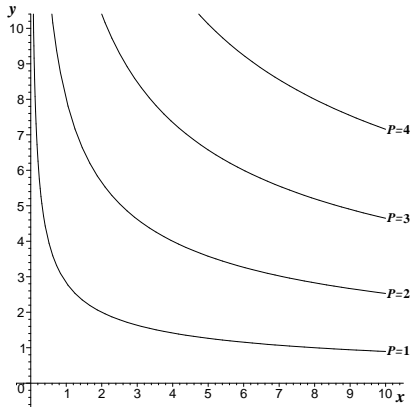
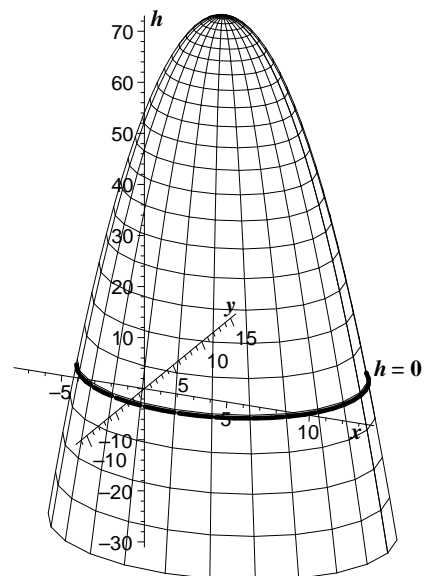
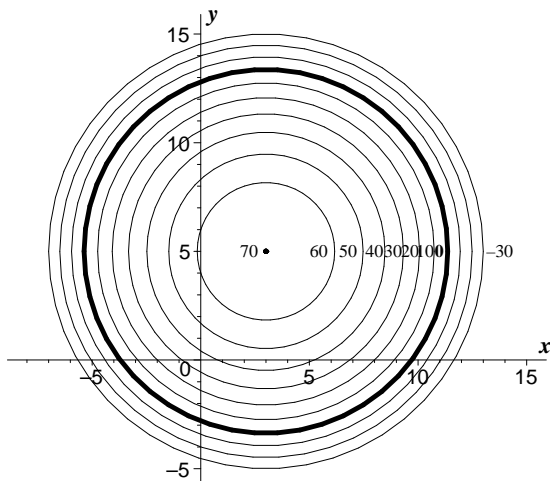


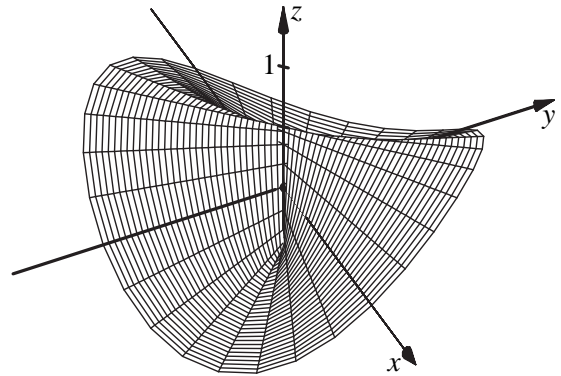
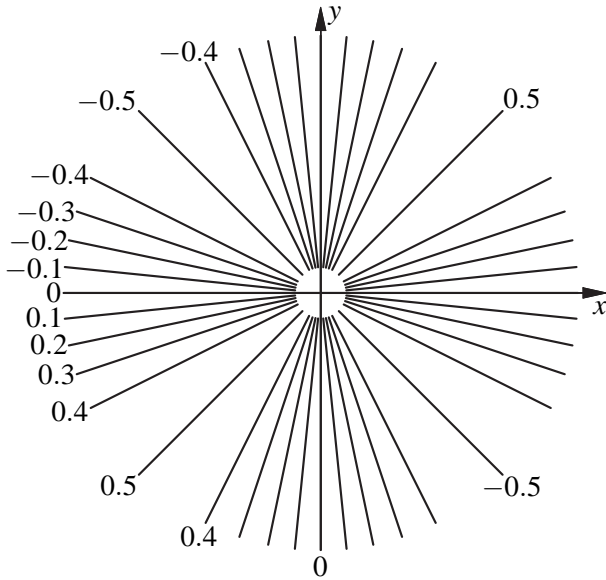
Produktionsergebnis  $P(x,y) = \frac{1}{2}\sqrt[3]{xy^2}$



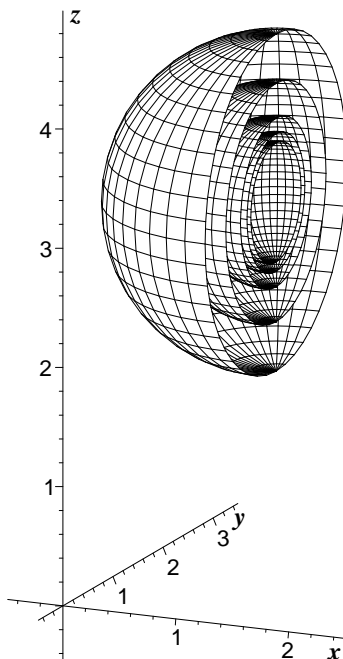
$h(x,y) = 36 + 6x - x^2 + 10y - y^2$



$$f(x,y) = \begin{cases} \frac{xy}{x^2+y^2}, & (x,y) \neq (0,0) \\ 0 & (x,y) = (0,0) \end{cases}$$



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



Schnitt durch die Niveauflächen

$$f = 0.5: \text{ Radius } \sqrt{2}$$

$$f = 1 : \text{ Radius } 1$$

$$f = 2 : \text{ Radius } \frac{1}{\sqrt{2}}$$

$$f = 3 : \text{ Radius } \frac{1}{\sqrt{3}}$$

$$f = 4 : \text{ Radius } \frac{1}{2}$$