

$f1(x) = -2 \cdot x^2 + 8 \cdot x$
 $f2(x) = 0$
 $x \in [0; 2]$

Inhalt orientiert u. absolut:

$A1 = 10.667$ $A2 = 10.667$

Drehmomente:

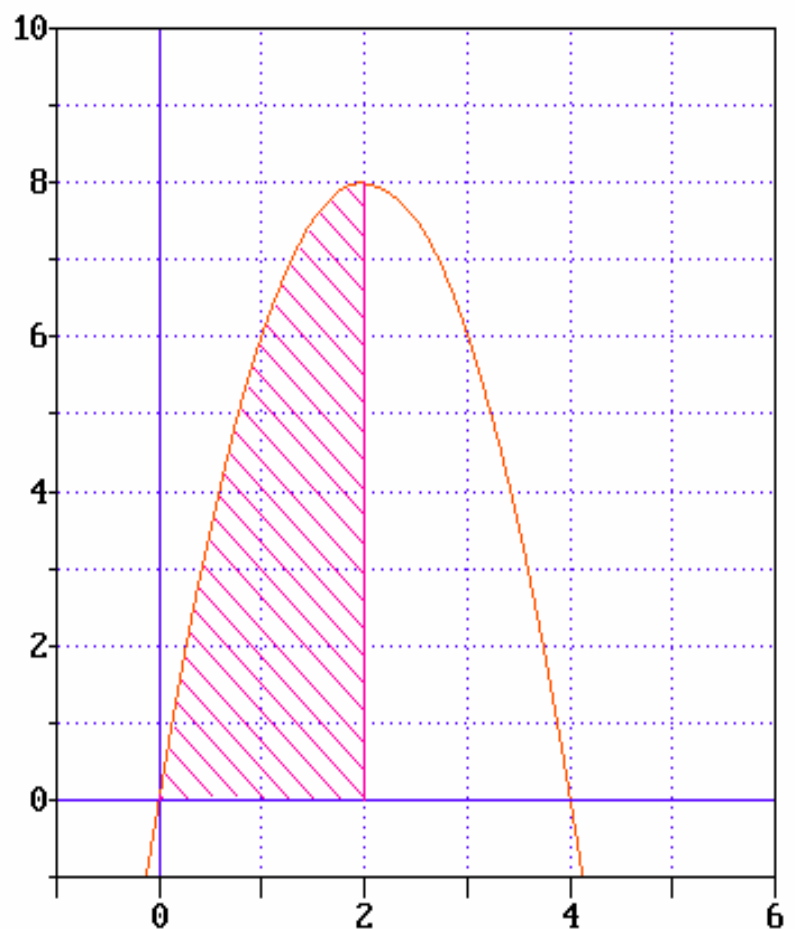
$Mx = 34.133$ $My = 13.333$

Rotationsvolumen:

$Ux = 214.47$ $Uy = 83.776$

Schwerpunkt:

$S(1.25/3.2)$



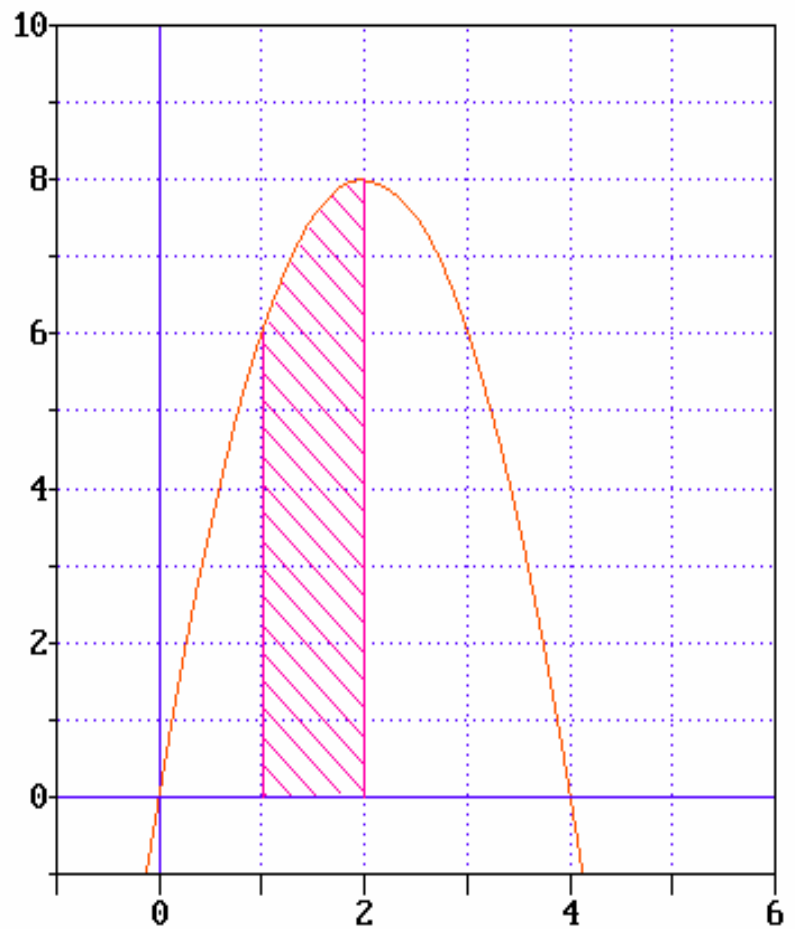
$f1(x) = -2 \cdot x^2 + 8 \cdot x$
 $f2(x) = 0$
 $x \in [1; 2]$

Inhalt orientiert u. absolut:
 $A1 = 7.3333$ $A2 = 7.3333$

Drehmomente:
 $Mx = 27.067$ $My = 11.167$

Rotationsvolumen:
 $Vx = 170.07$ $Vy = 70.162$

Schwerpunkt:
 $S(1.5227/3.6909)$

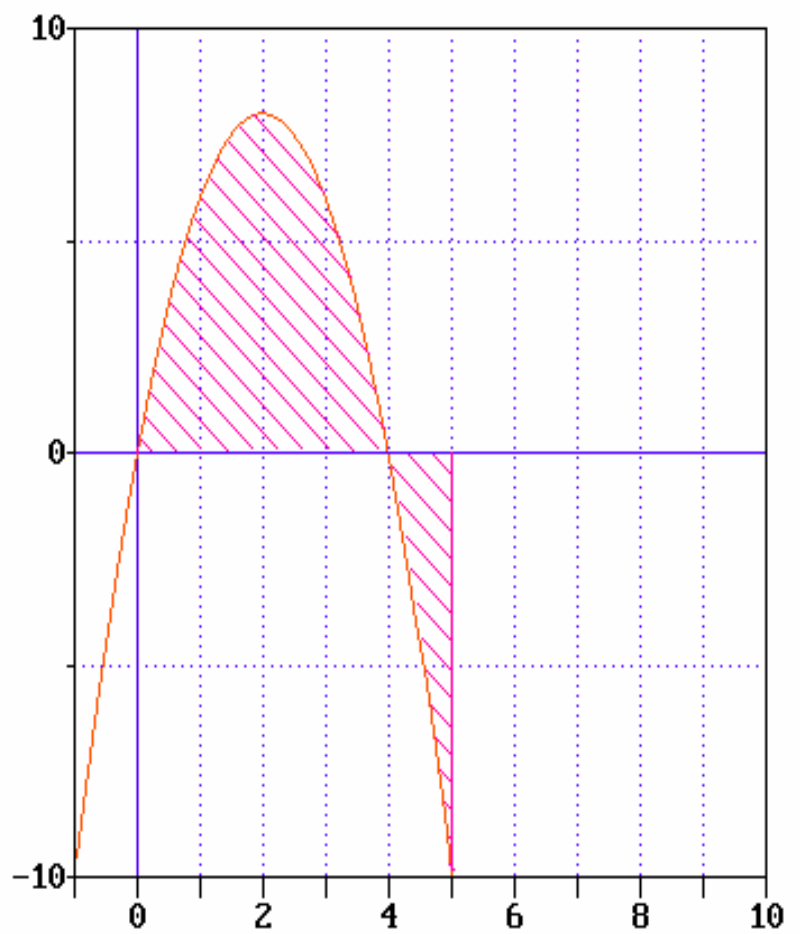


$f1(x) = -2 \cdot x^2 + 8 \cdot x$
 $f2(x) = 0$
 $x \in [0; 5]$

Inhalt orientiert u. absolut:
 $A1 = 16.667$ $A2 = 26.000$

Drehmomente:
 $Mx = 83.330$ $My = 20.835$

Rotationsvolumen:
 $Vx = 523.58$ $Vy = 130.91$



$f1(x)=3/2+1/4*x-1/4*x^2$

$f2(x)=0$

$x \in [-2;3]$

Inhalt orientiert u. absolut:

$A1=5.2084 \quad A2=5.2084$

Drehmomente:

$Mx=3.2552 \quad My=2.6042$

Rotationsvolumen:

$Vx=20.453 \quad Vy=16.363$

Schwerpunkt:

$S(.5/.62499)$



$$f1(x) = 3/2 + 1/4 * x - 1/4 * x^2$$

$$f2(x) = 0$$

$$x \in [-2; 5.5]$$

Inhalt orientiert u. absolut:

$$A1 = 0.0002 \quad A2 = 10.417$$

Drehmomente:

$$Mx = 10.986 \quad My = -21.97$$

Rotationsvolumen:

$$Vx = 69.025 \quad Vy = -138.1$$



$f1(x)=x^3-12*x^2+36*x$
 $f2(x)=-3*x+28$
 $x \in [1;7]$

Inhalt orientiert u. absolut:

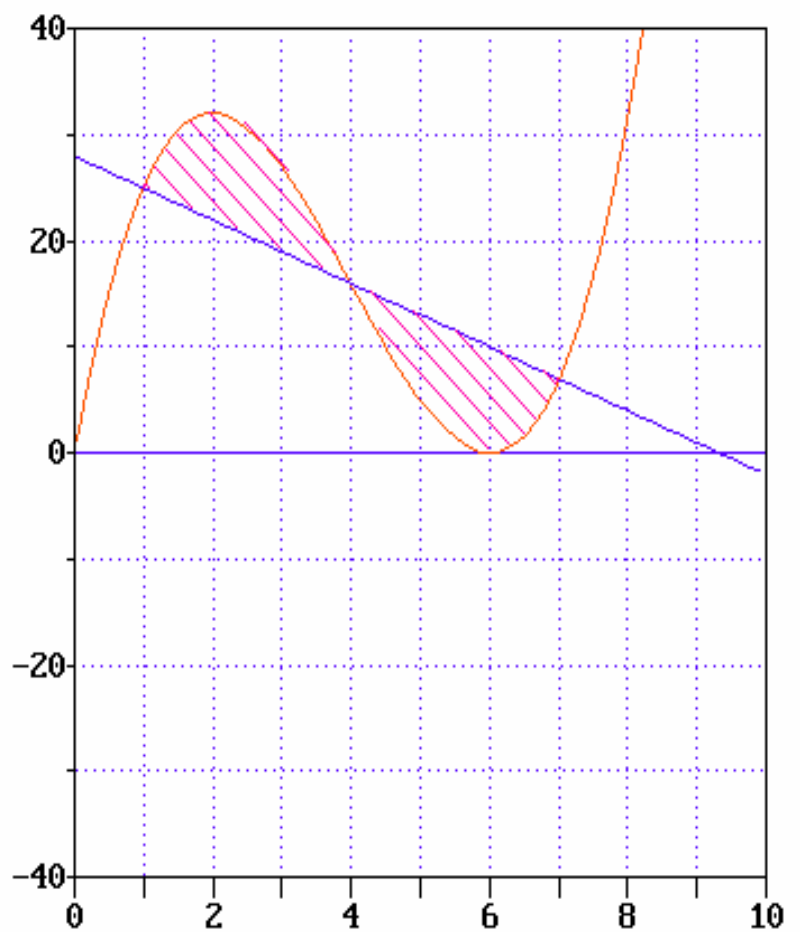
$A1=0$ $A2=40.502$

Drehmomente:

$Mx=361.04$ $My=-64.80$

Rotationsvolumen:

$Vx=2268.5$ $Vy=-407.2$



$f1(x)=x^3-12*x^2+36*x-20$
 $f2(x)=-3*x+28-20$
 $x \in [1;7]$

Inhalt orientiert u. absolut:

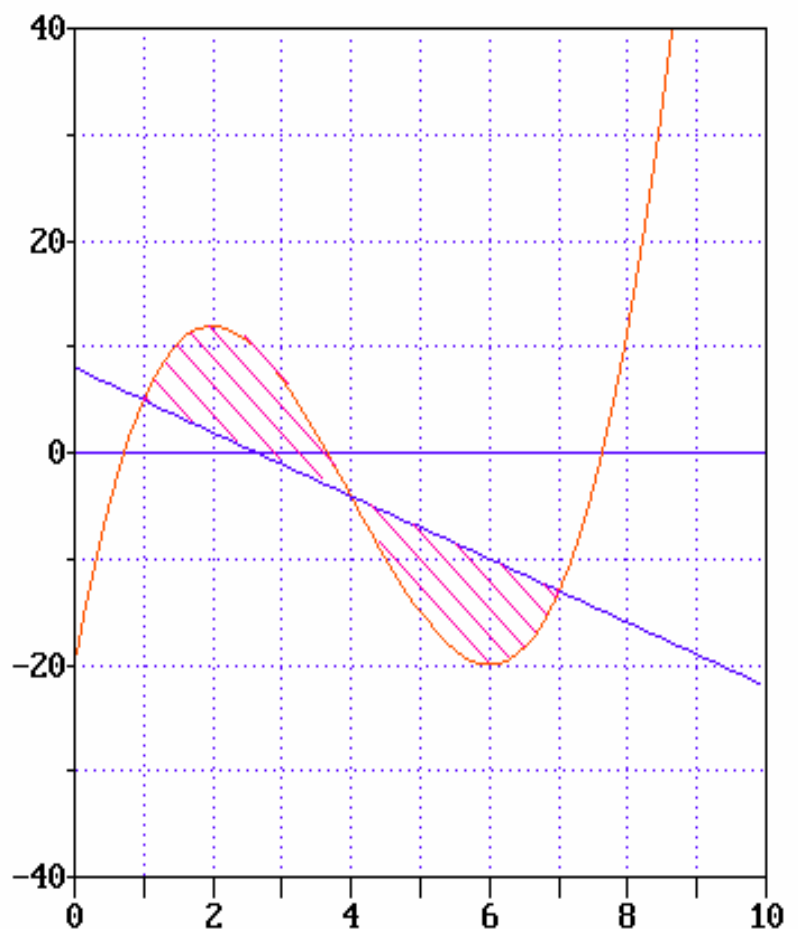
$A1=0$ $A2=40.502$

Drehmomente:

$Mx=361.04$ $My=-64.80$

Rotationsvolumen:

$Vx=2268.5$ $Vy=-407.2$



$f1(x)=x^3-12*x^2+36*x$
 $f2(x)=-3*x+28$
 $x \in [1;7]$

Inhalt orientiert u. absolut:
 $A1=0$ $A2=40.502$

Drehmomente:
 $Mx=361.04$ $My=-64.80$

Rotationsvolumen:
 $Vx=2268.5$ $Vy=-407.2$

