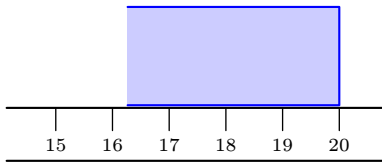
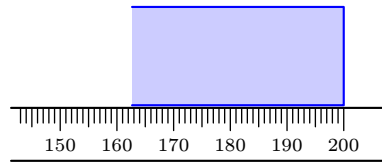


pf1-3

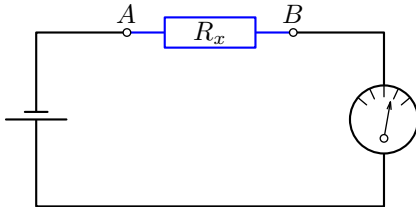


a

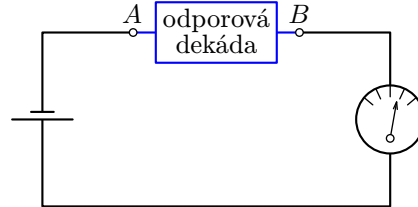


b

pf1-3

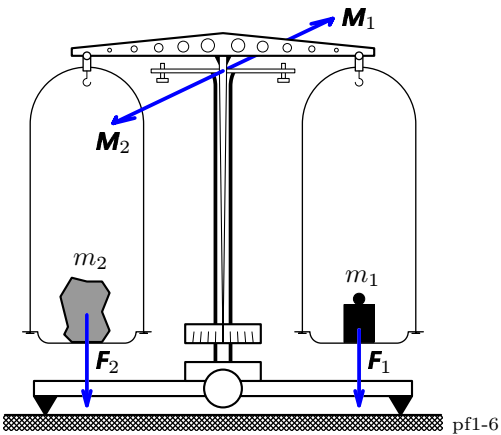


a

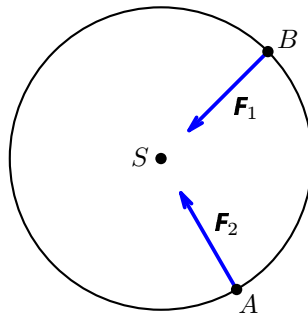


b

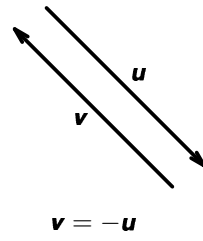
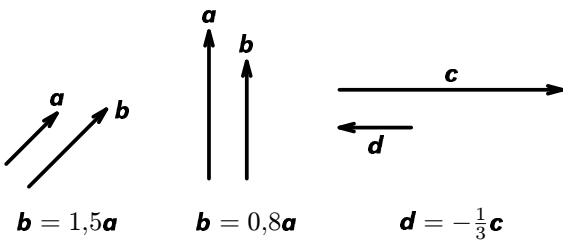
pf1-5



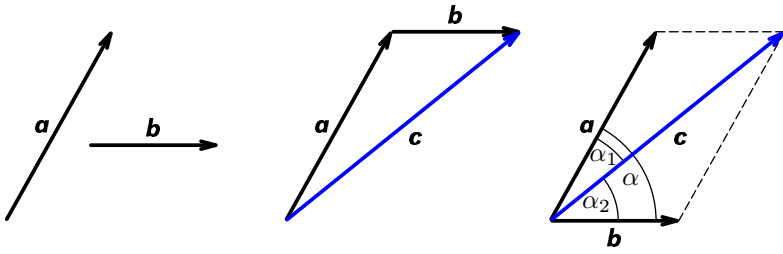
pf1-6



pf1-7



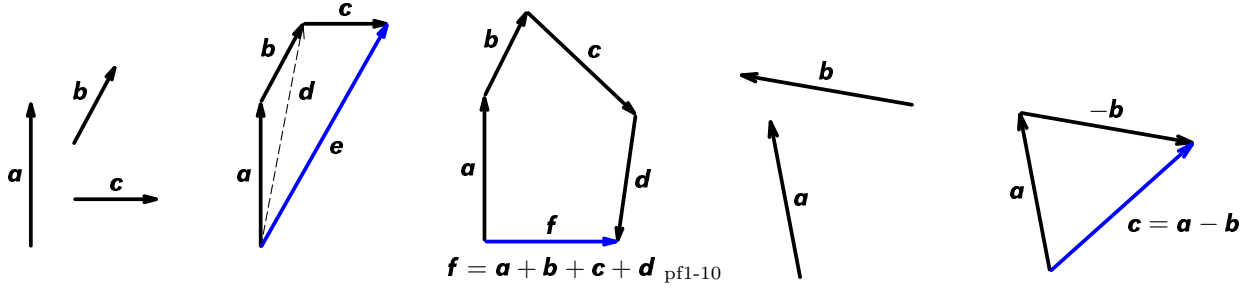
pf1-8



a

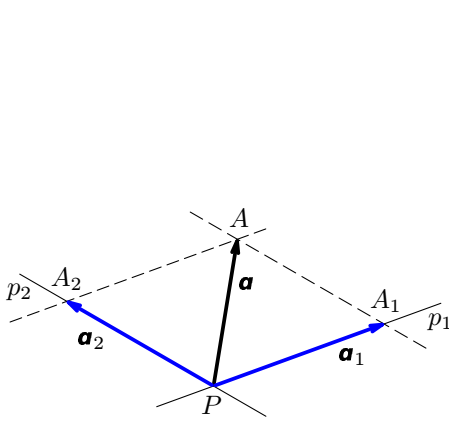
b

pf1-9

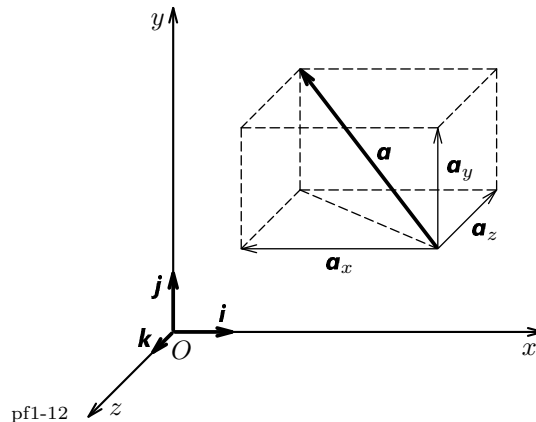


$f = a + b + c + d$ pf1-10

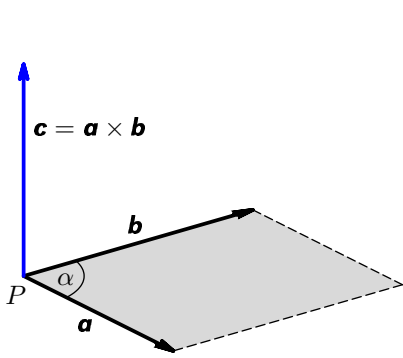
pf1-11



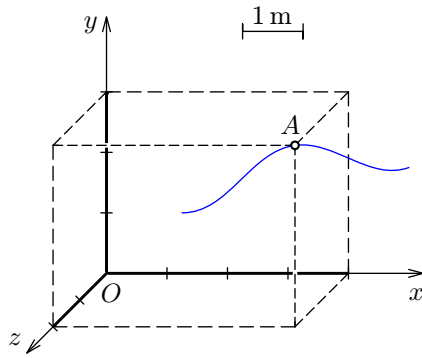
pf1-12



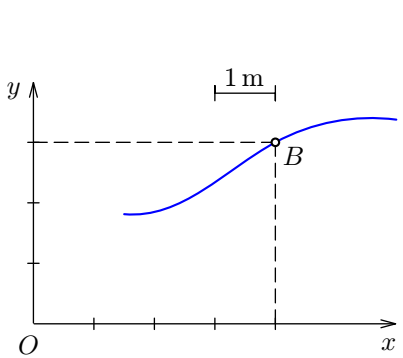
pf1-13



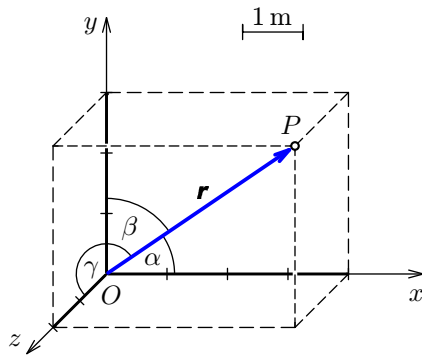
pf1-14



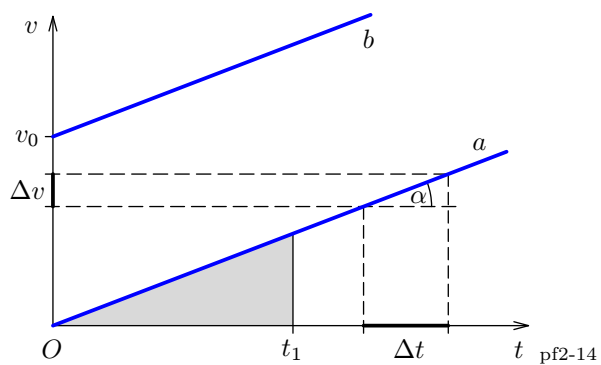
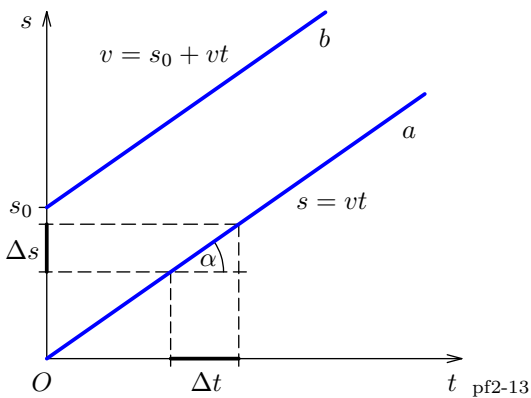
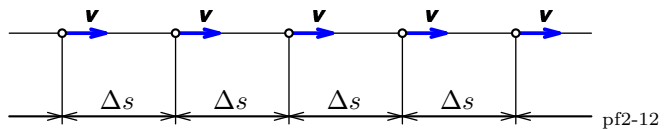
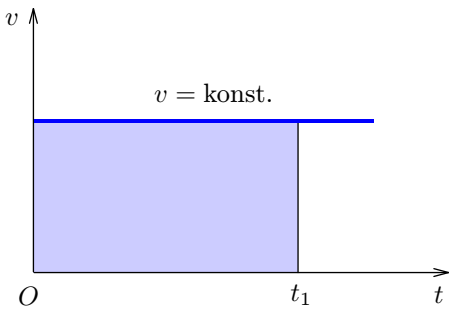
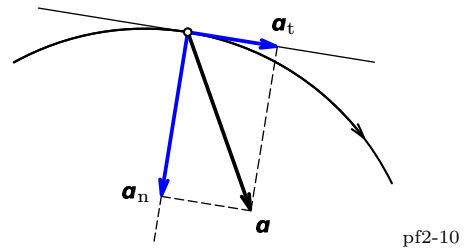
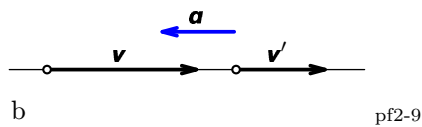
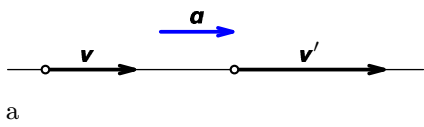
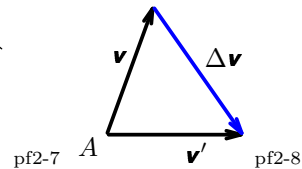
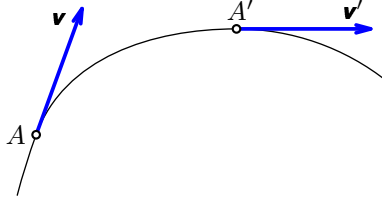
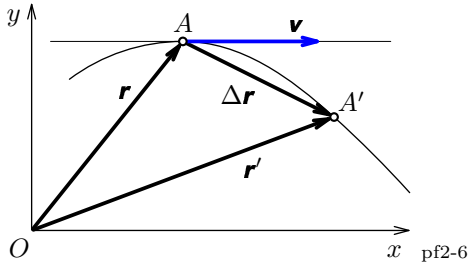
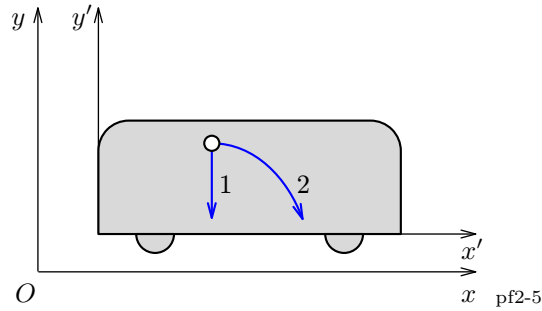
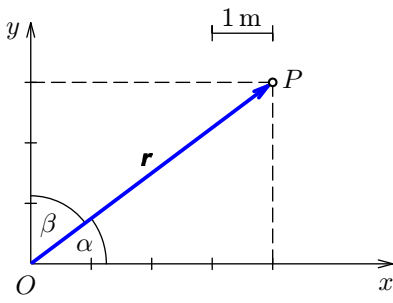
pf2-1

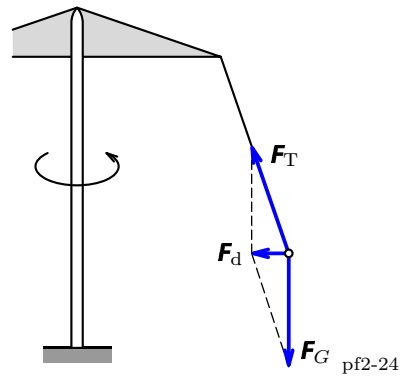
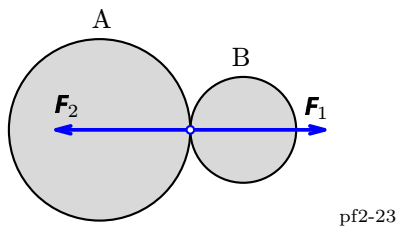
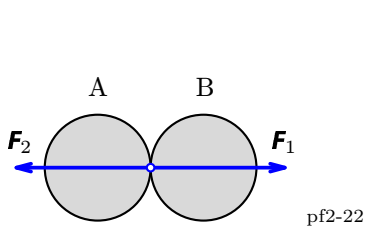
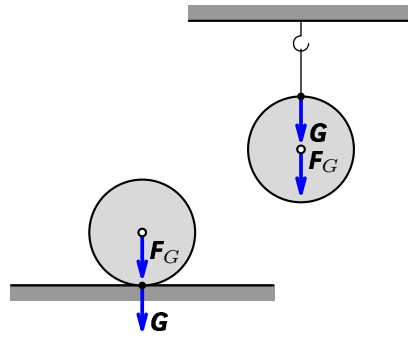
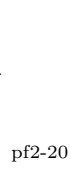
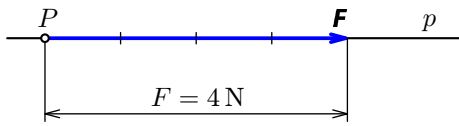
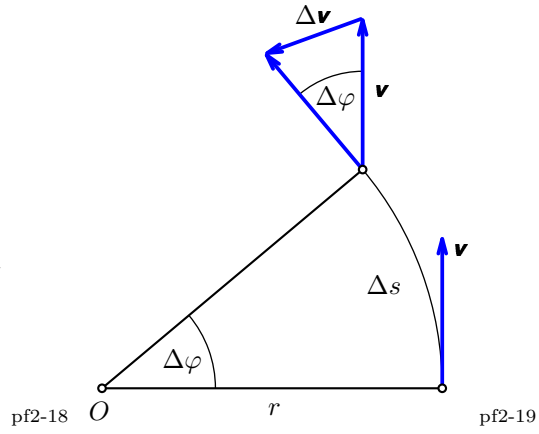
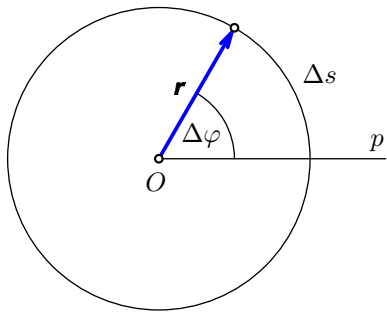
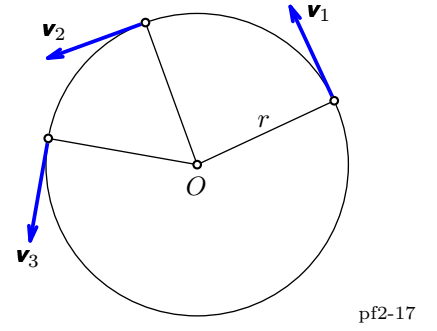
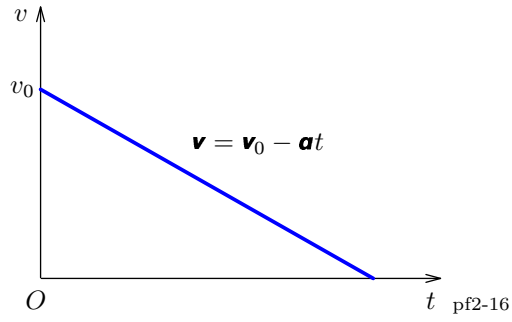
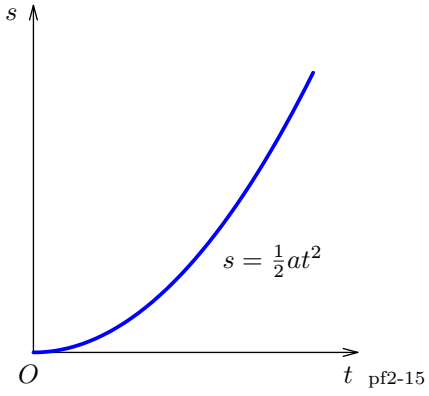


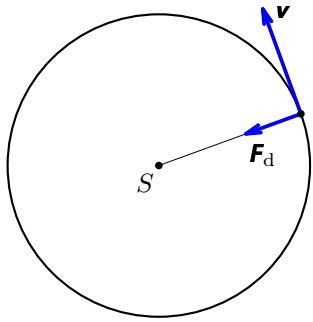
pf2-2



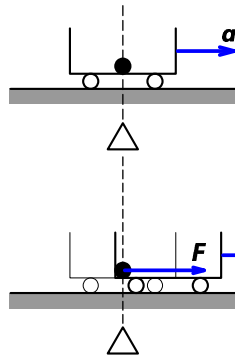
pf2-3



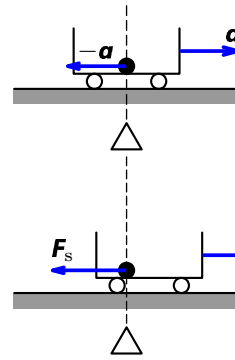




pf2-25

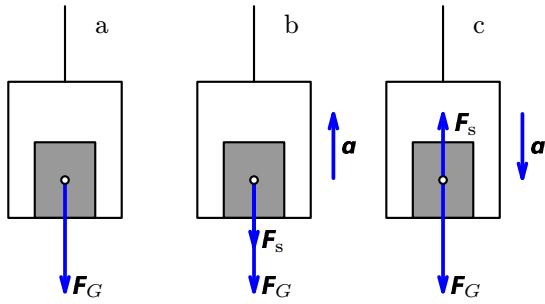


a

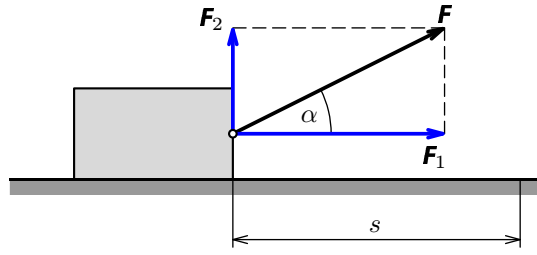


b

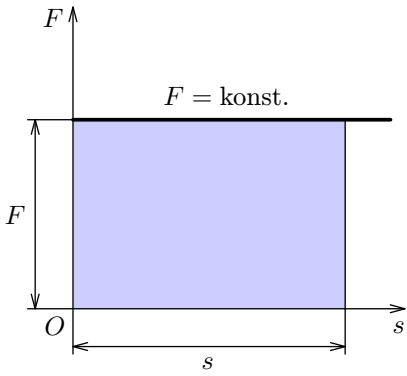
pf2-26



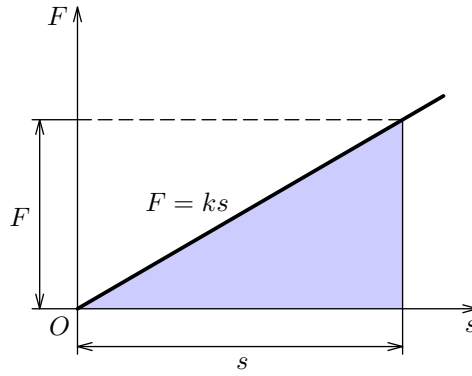
pf2-27



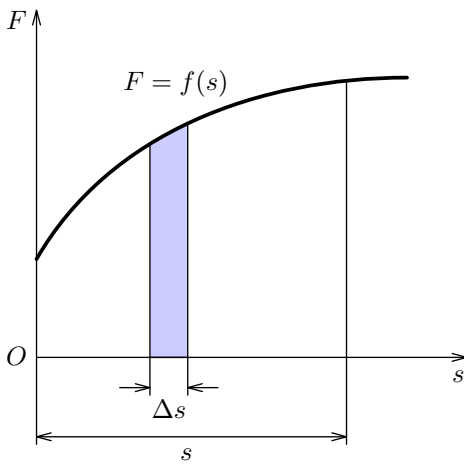
pf2-28



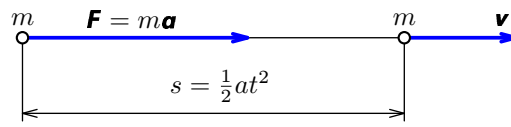
pf2-29



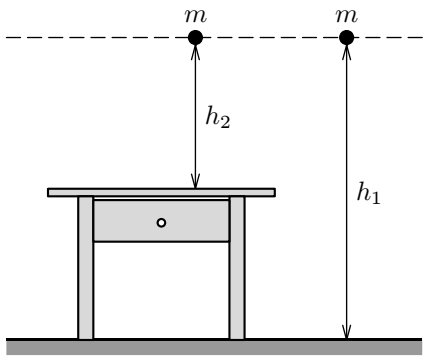
pf2-30



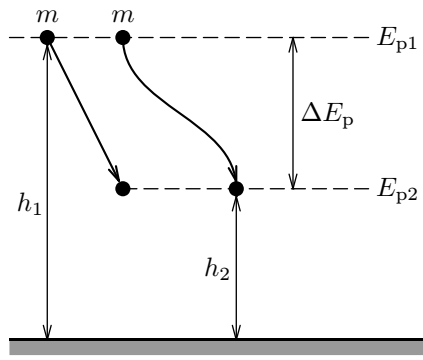
pf2-31



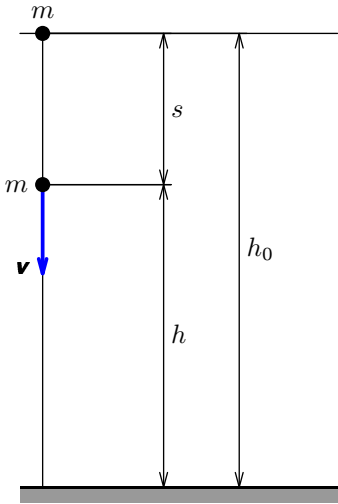
pf2-32



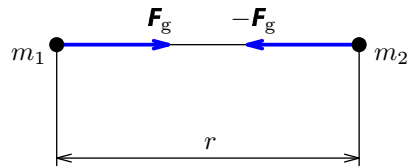
pf2-33



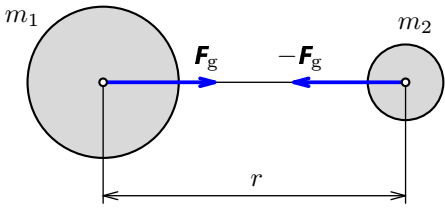
pf2-34



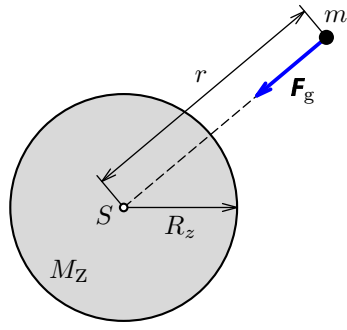
pf2-35



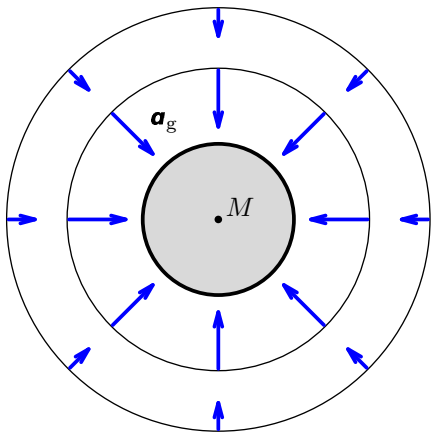
pf2-36



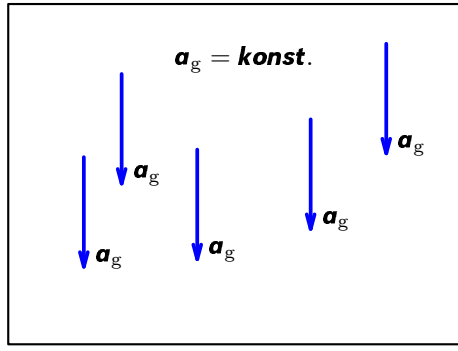
pf2-37



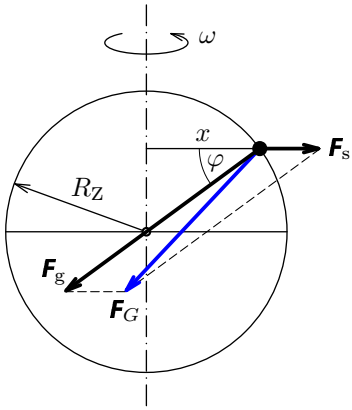
pf2-38



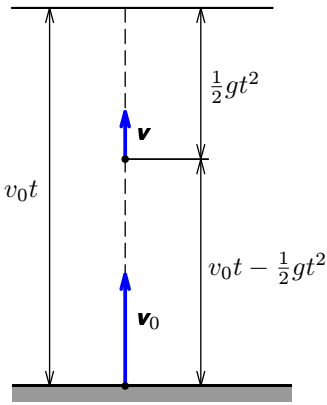
pf2-39



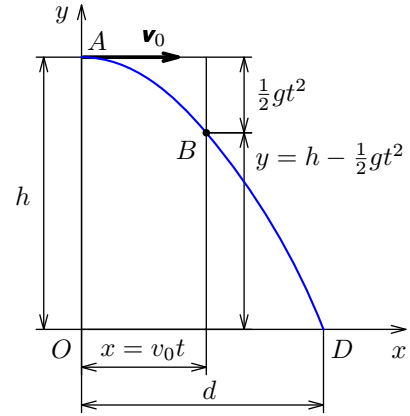
pf2-40



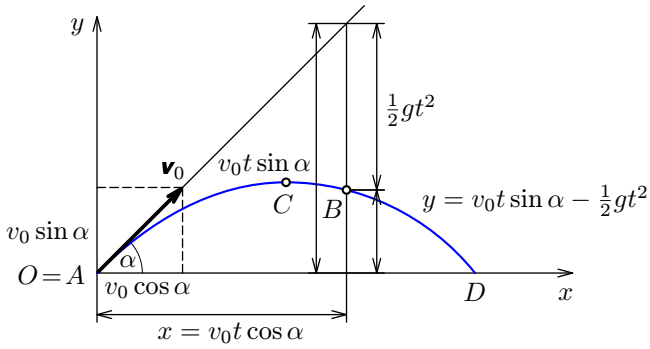
pf2-41



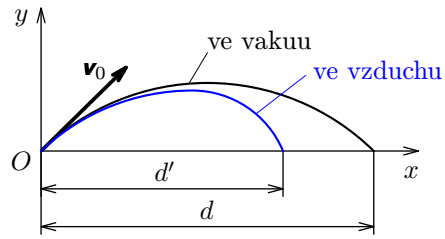
pf2-42



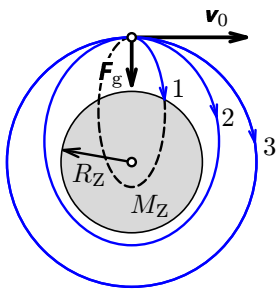
pf2-43



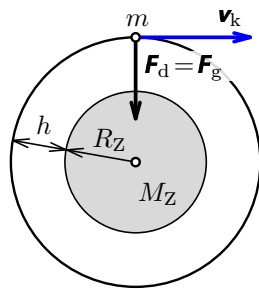
pf2-44



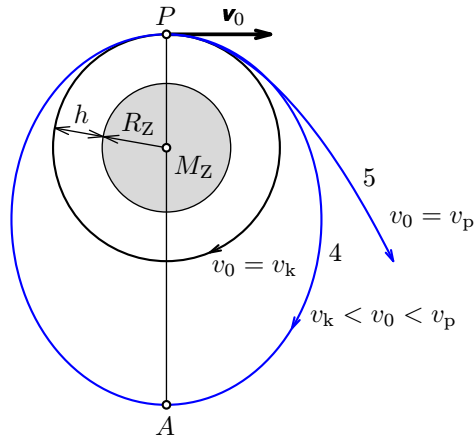
pf2-45



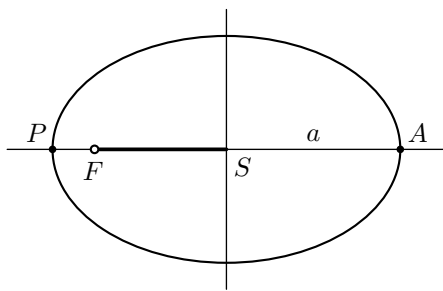
pf2-46



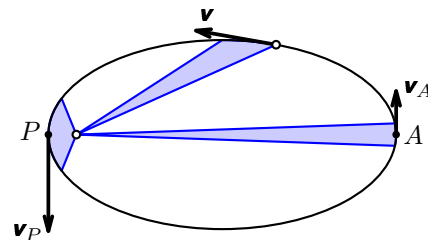
pf2-47



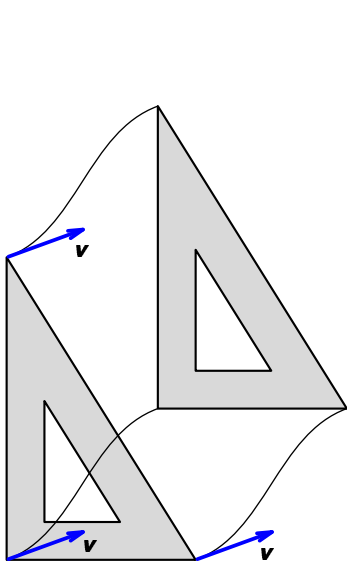
pf2-48



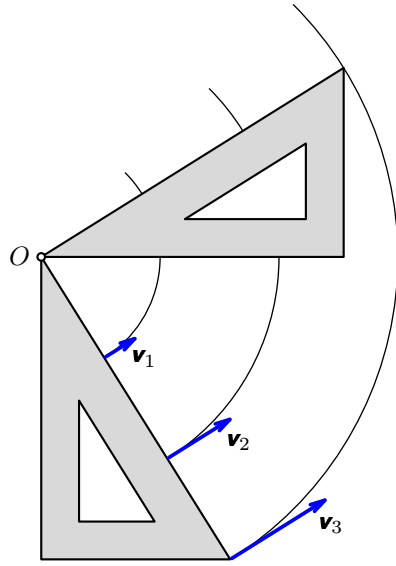
pf2-49



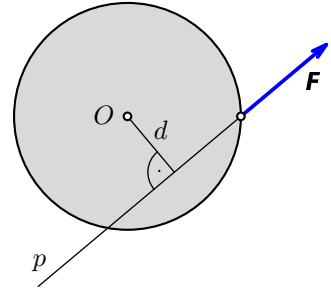
pf2-50



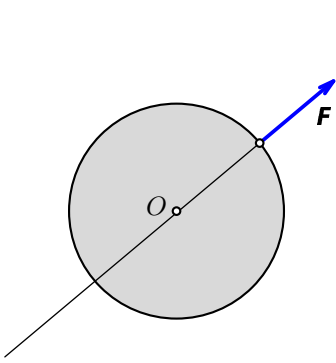
pf2-51



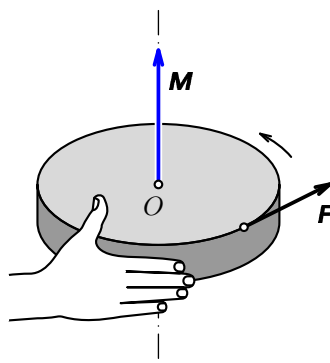
pf2-52



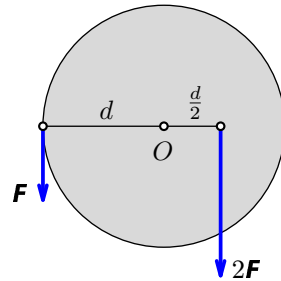
pf2-53



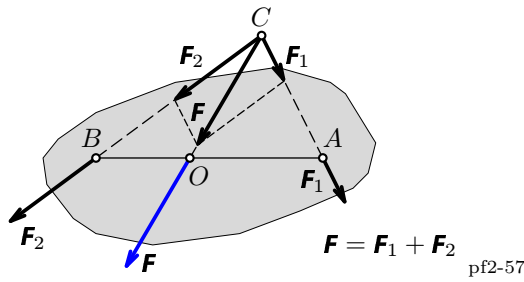
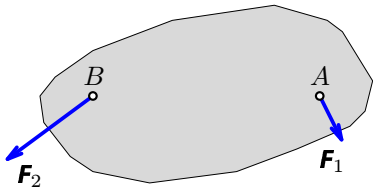
pf2-54



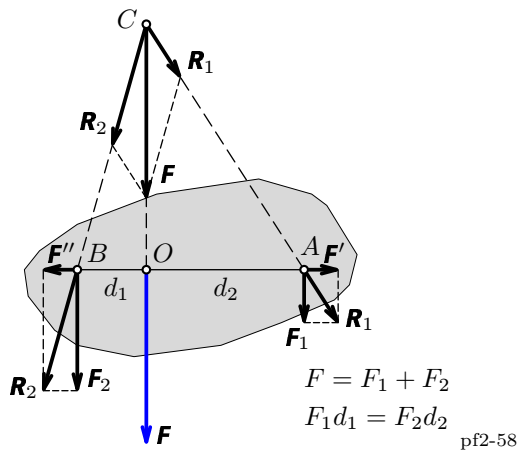
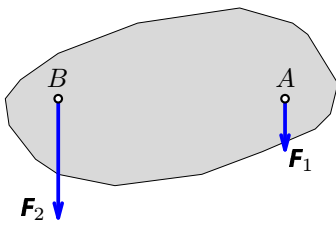
pf2-55



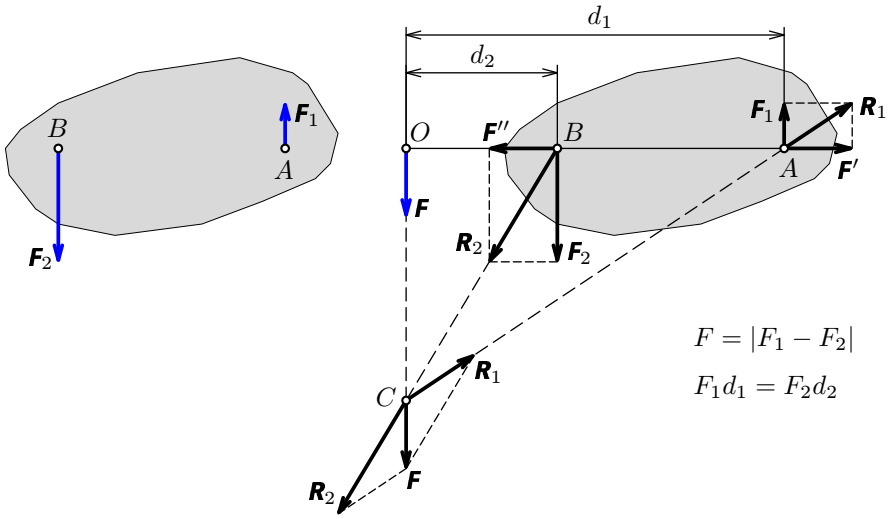
pf2-56



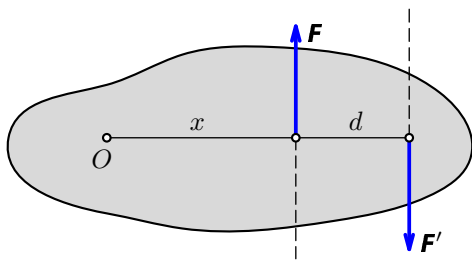
pf2-57



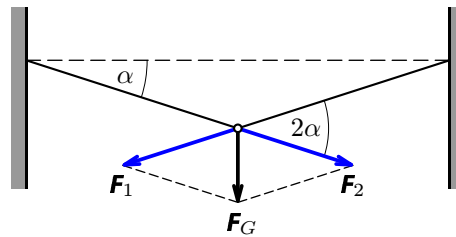
pf2-58



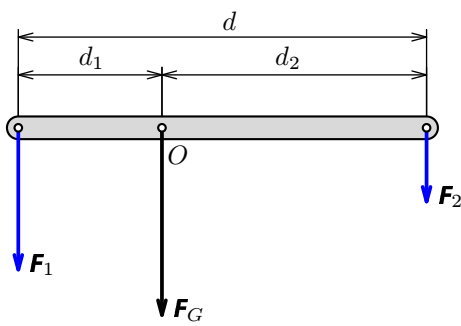
pf2-59



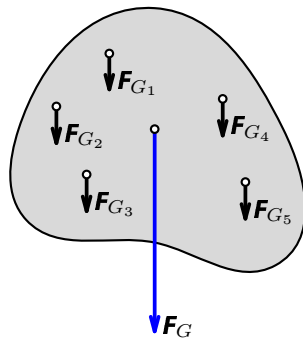
pf2-60



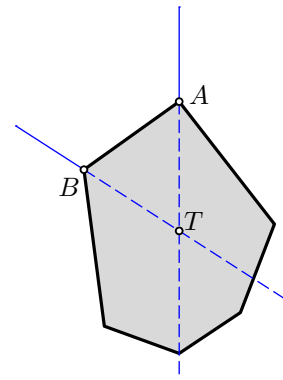
pf2-61



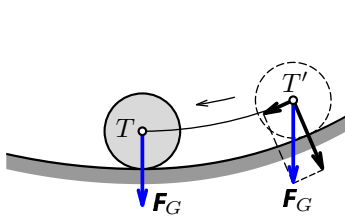
pf2-62



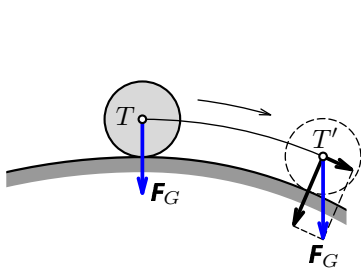
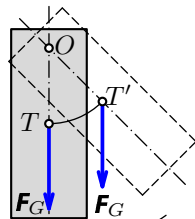
pf2-63



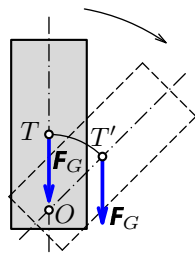
pf2-64

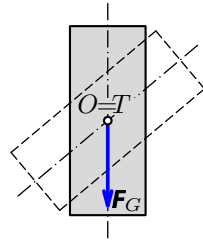
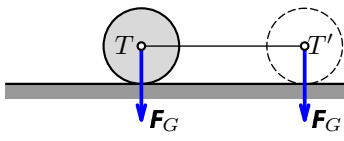


pf2-65

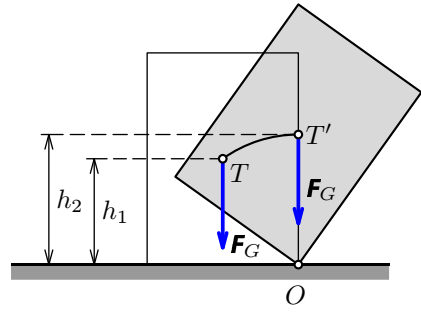


pf2-66

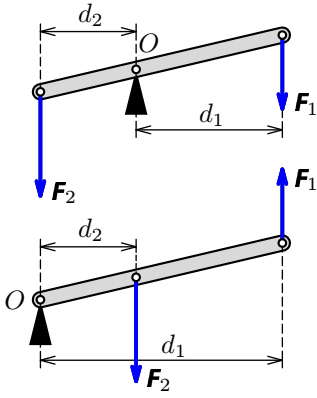




pf2-67

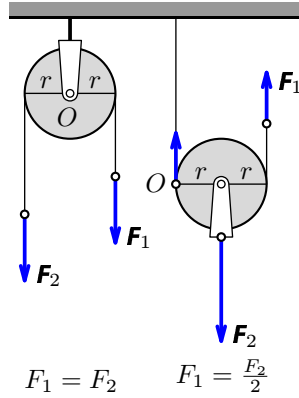


pf2-68



$$F_1 d_1 = F_2 d_2$$

pf2-69



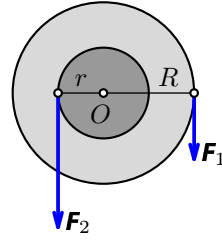
$$F_1 = F_2$$

$$F_1 = \frac{F_2}{2}$$

a

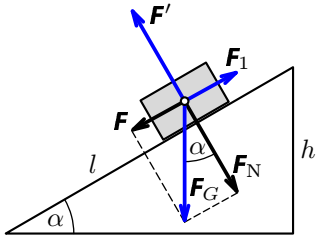
b

pf2-70



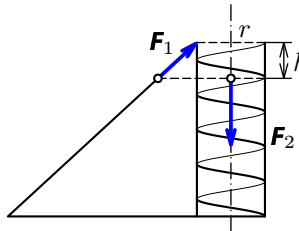
$$F_1 R = F_2 r$$

pf2-71



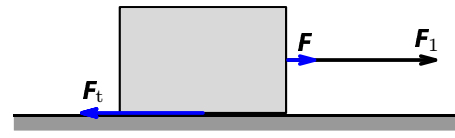
$$F_1 l = F_G h$$

pf2-72

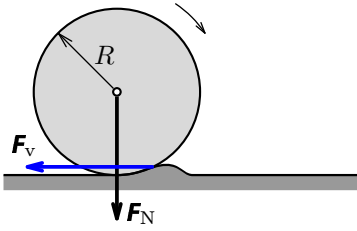


$$F_1 2\pi r = F_2 h$$

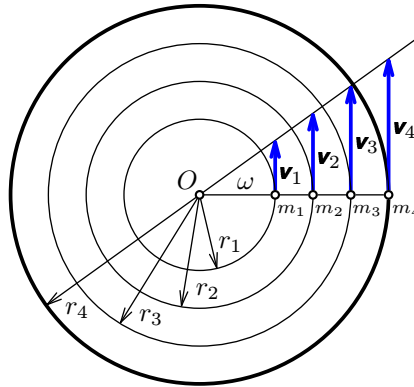
pf2-73



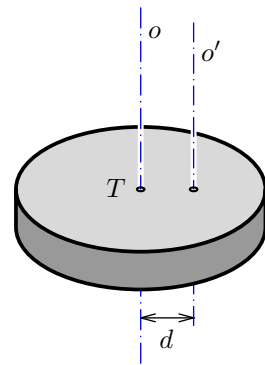
pf2-74



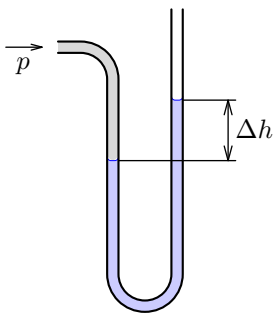
pf2-75



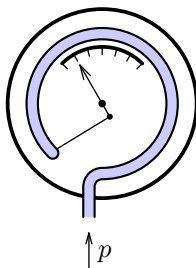
pf2-76



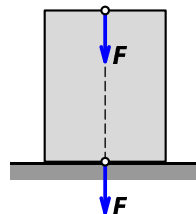
pf2-77



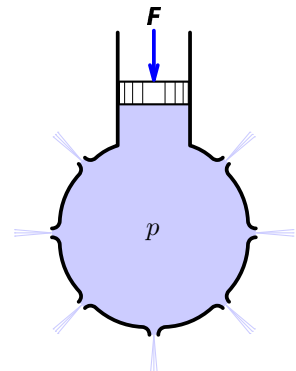
pf2-78



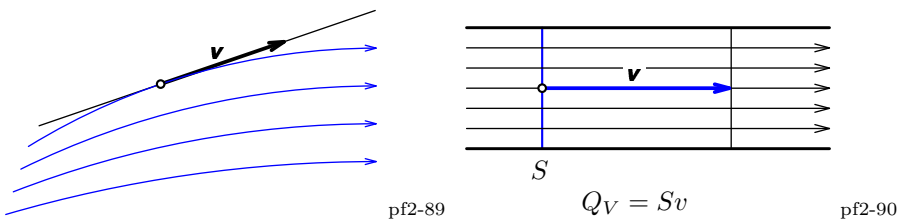
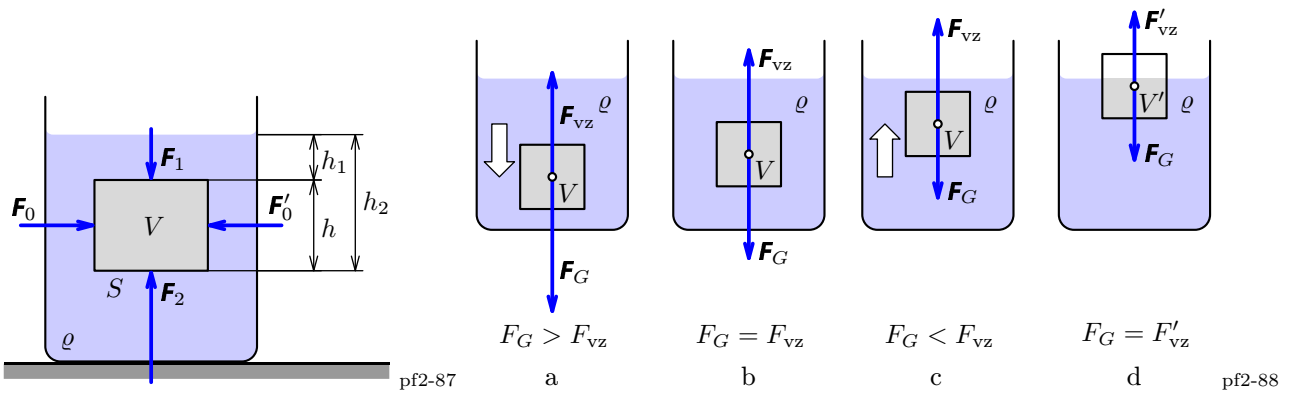
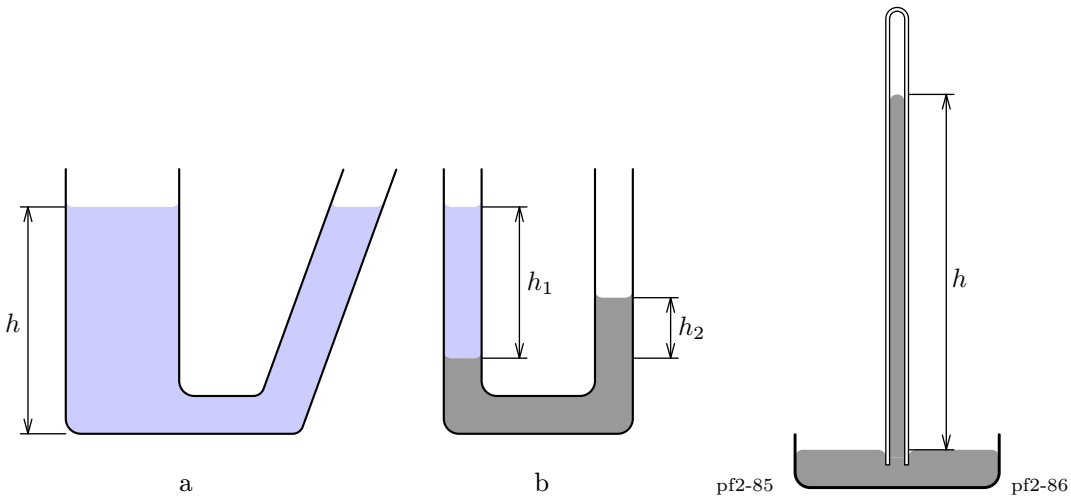
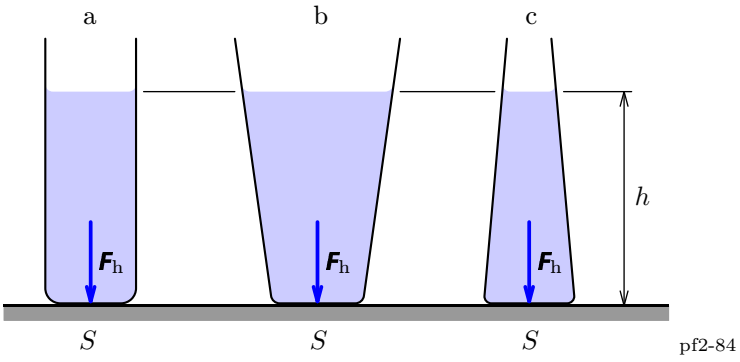
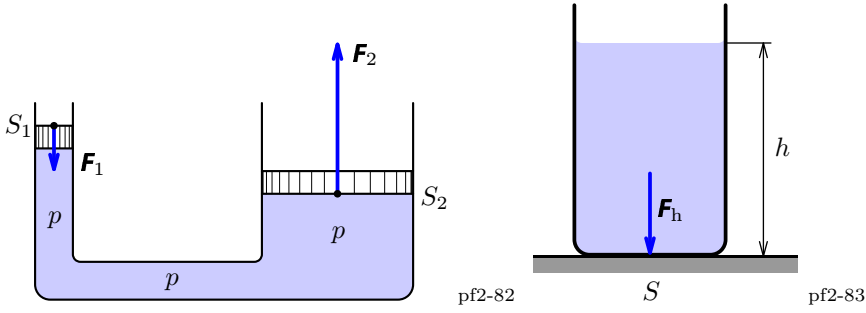
pf2-79

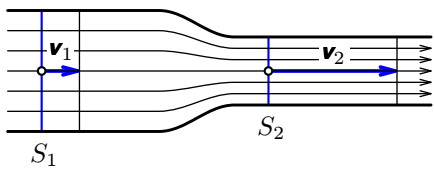


pf2-80

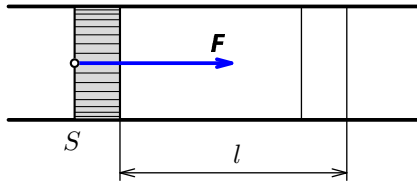


pf2-81



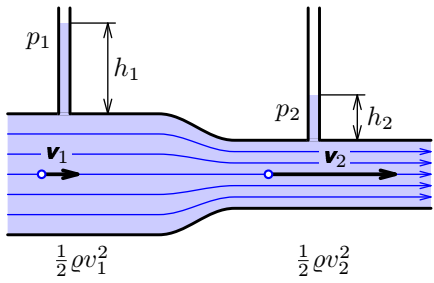


pf2-91

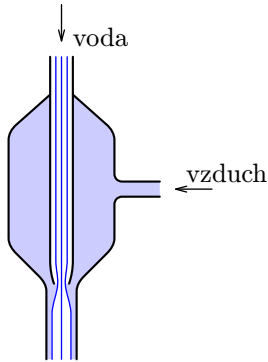


$$W = Fl$$

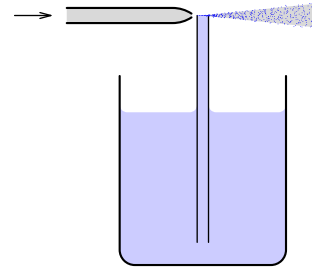
pf2-92



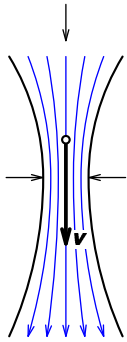
pf2-93



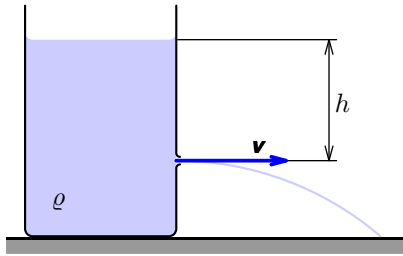
pf2-94



pf2-95

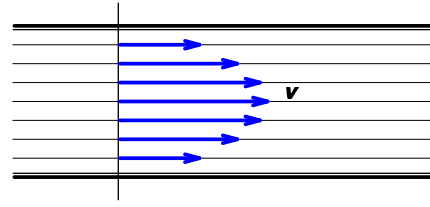


pf2-96

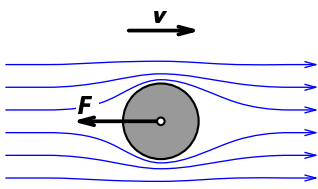


$$v = \sqrt{2gh}$$

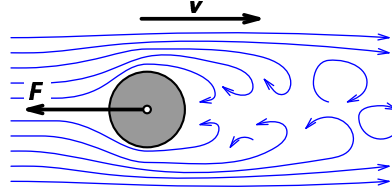
pf2-97



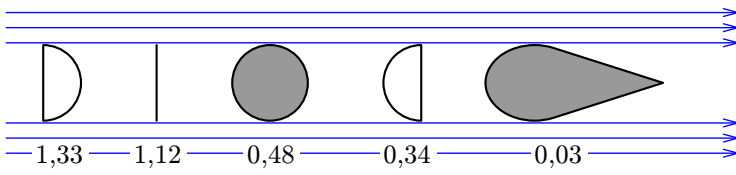
pf2-98



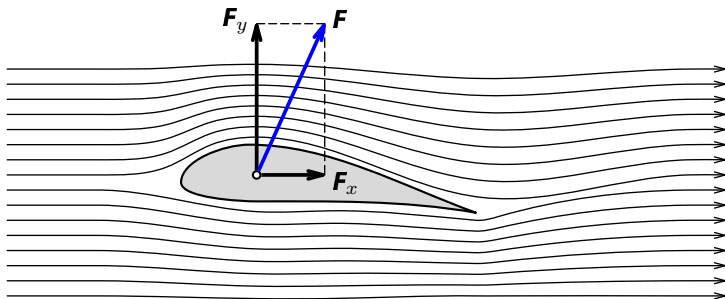
pf2-99



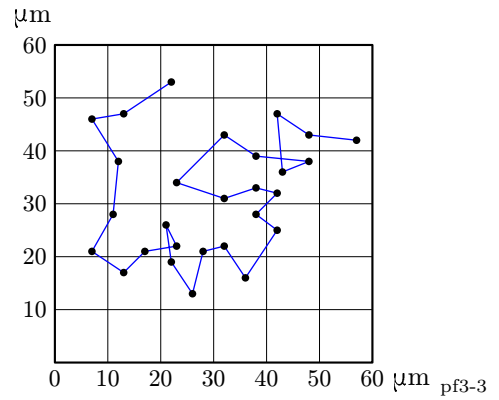
pf2-100



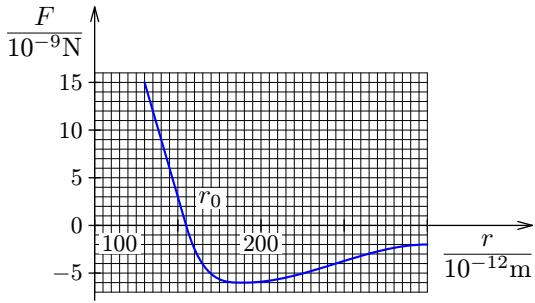
pf2-101



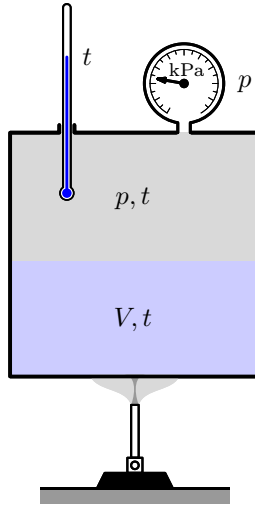
pf2-102



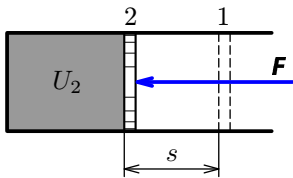
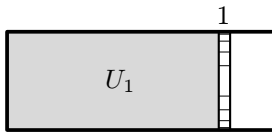
pf3-3



pf3-4

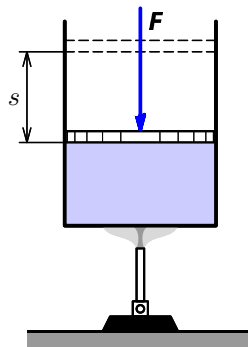


pf3-7



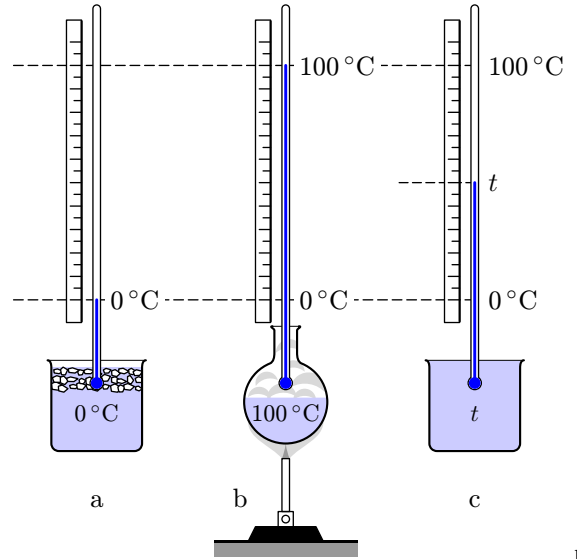
$$\Delta U = U_2 - U_1 = W$$

pf3-8

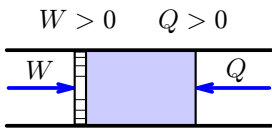


$$\Delta U = W + Q$$

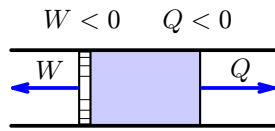
pf3-9



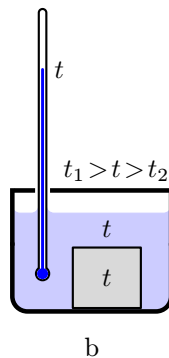
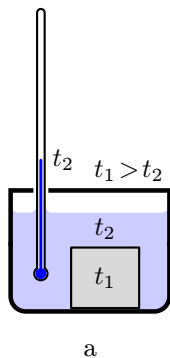
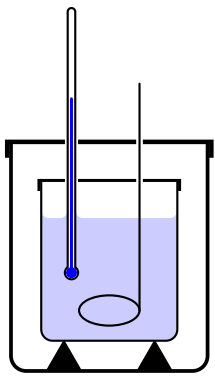
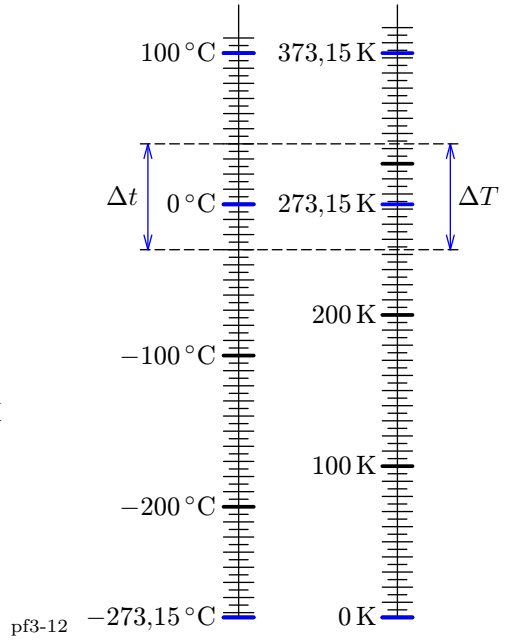
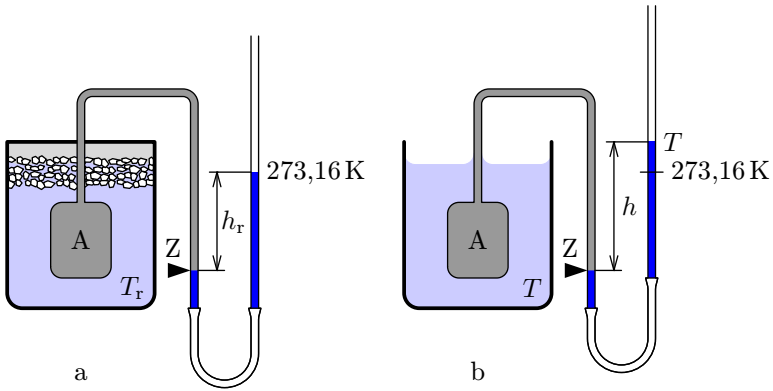
pf3-11



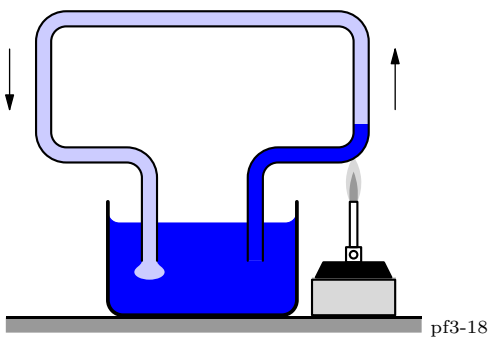
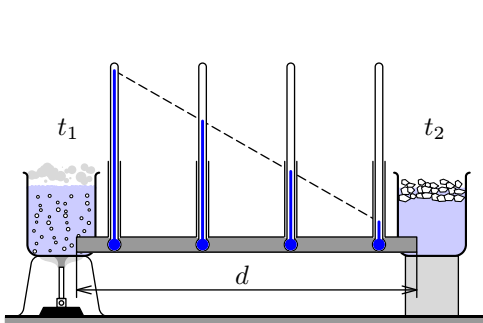
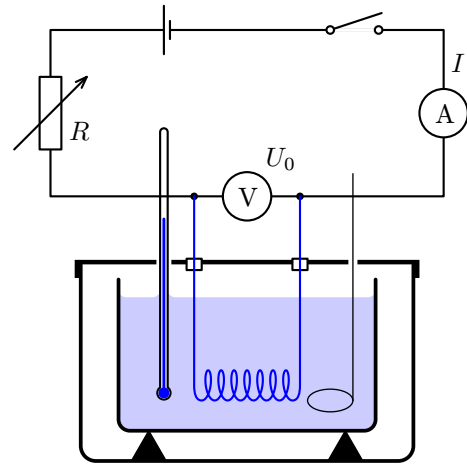
pf3-10a

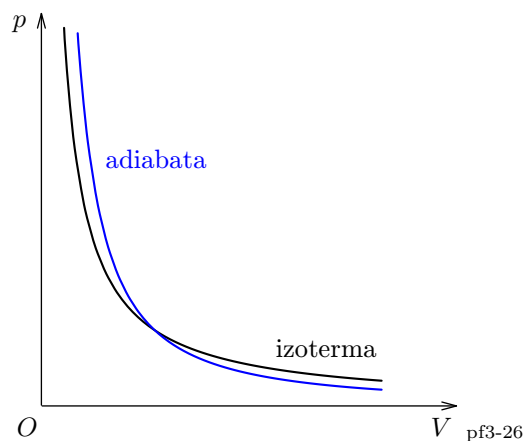
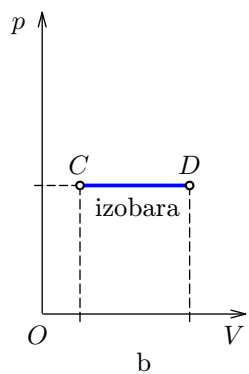
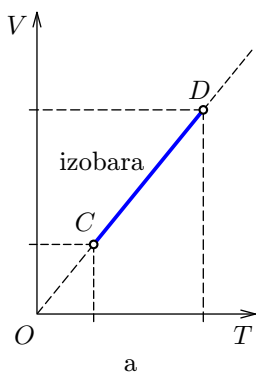
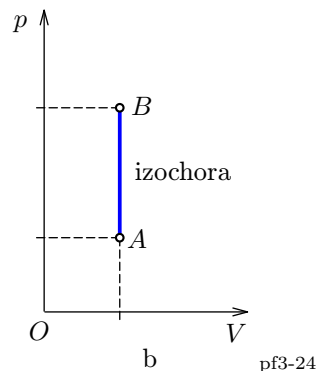
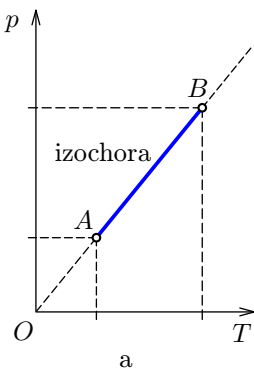
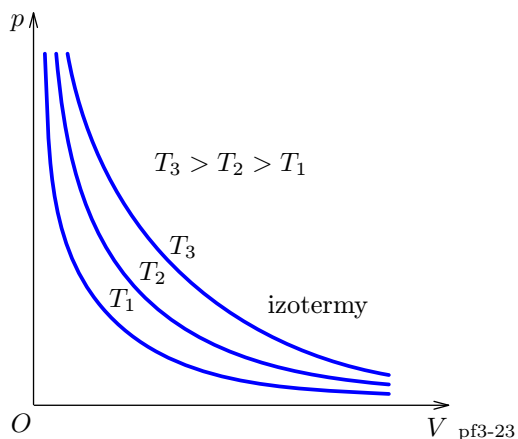
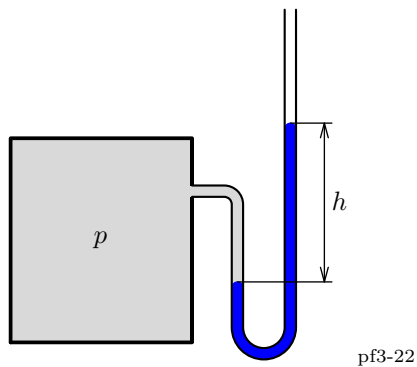
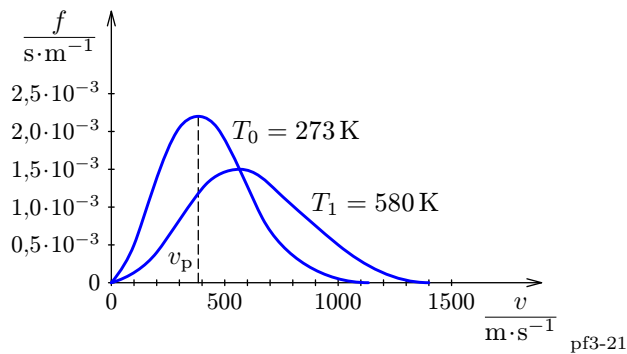
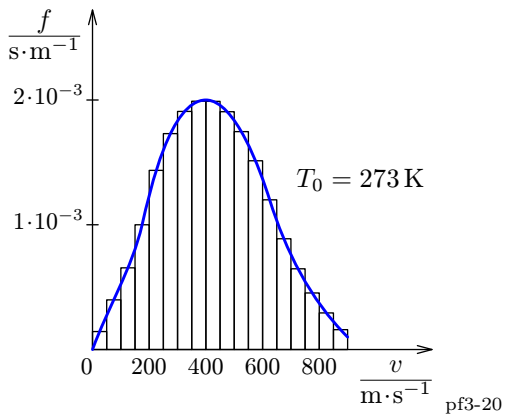
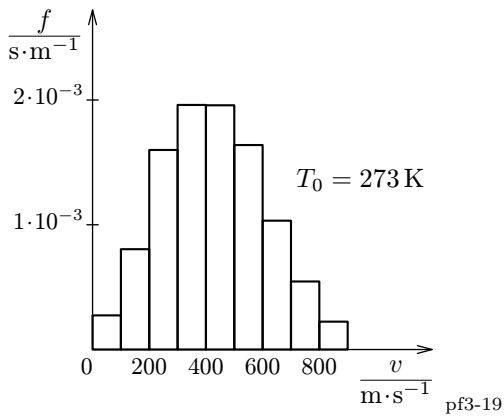


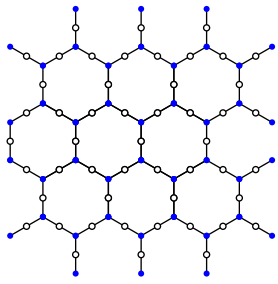
pf3-10b



pf3-15

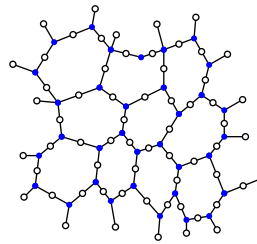






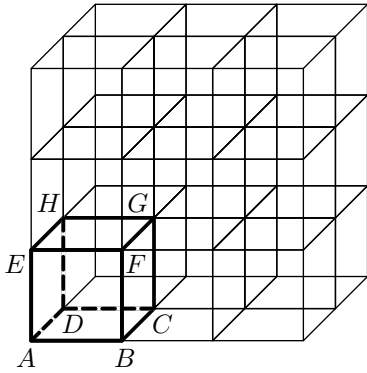
○ atom kysíku

• atom boru

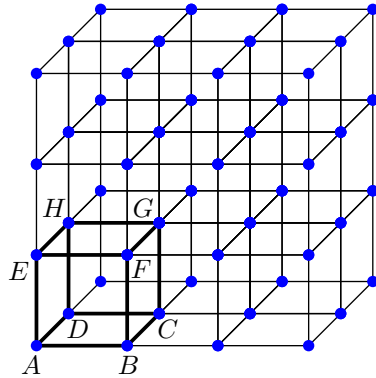


pf3-28a

pf3-28b

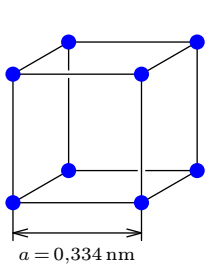


a

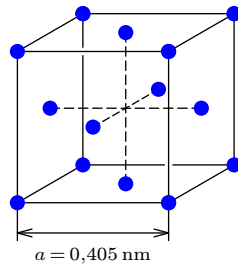


b

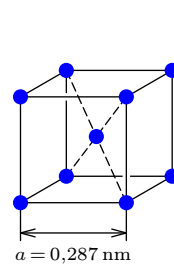
pf3-29



a

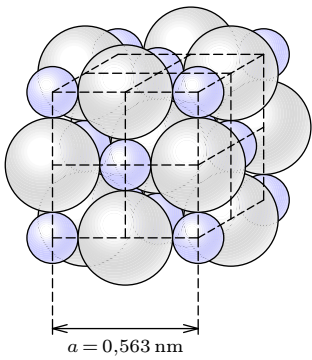


b

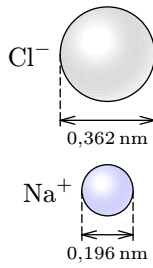


c

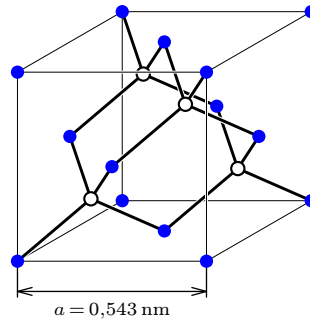
pf3-30



a = 0,563 nm

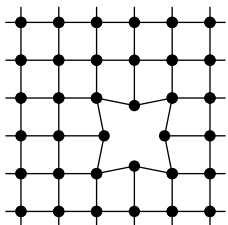


pf3-31

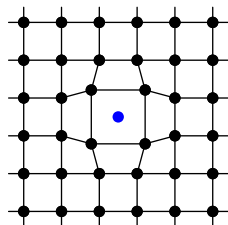


a = 0,543 nm

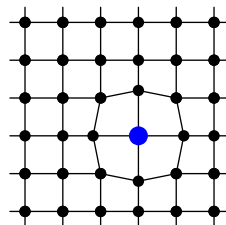
pf3-32



a

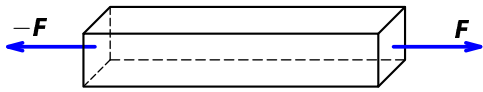


b

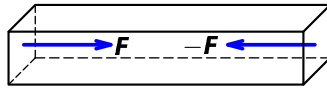


c

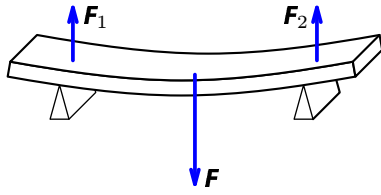
pf3-33



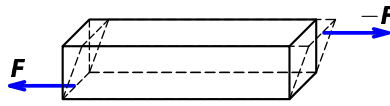
deformace tahem



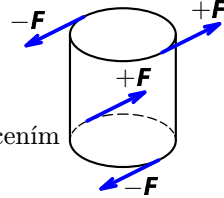
deformace tlakem



deformace ohybem

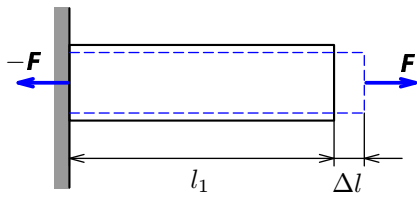


deformace smykem

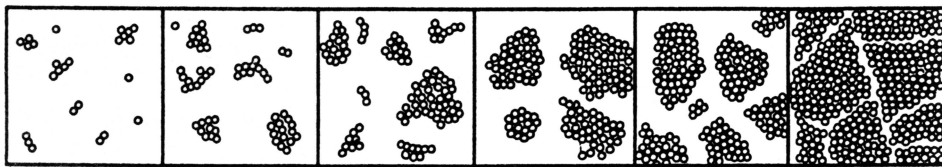


deformace kroucením

pf3-34



pf3-35



a

b

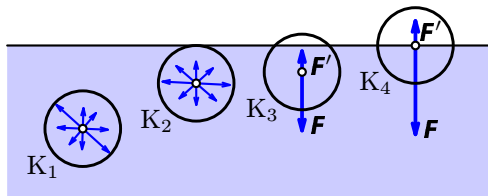
c

d

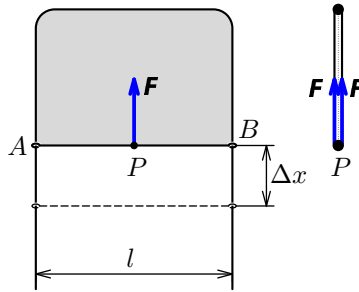
e

f

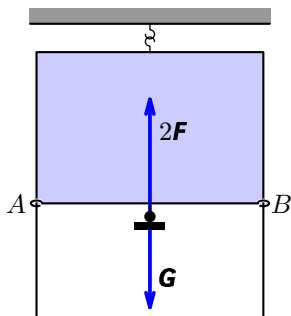
pf3-36



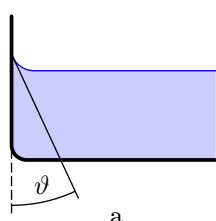
pf3-37



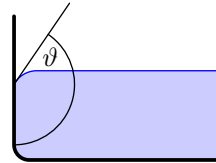
pf3-38



pf3-39

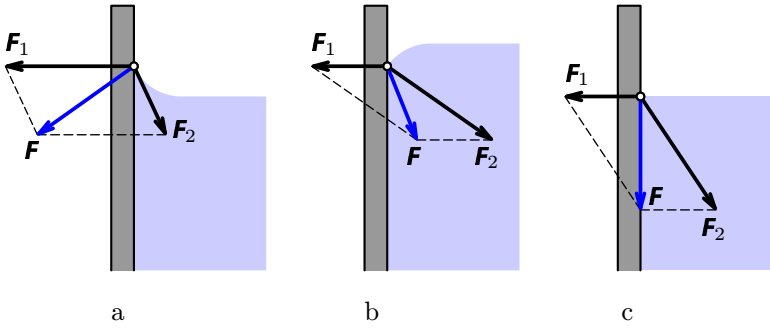


a

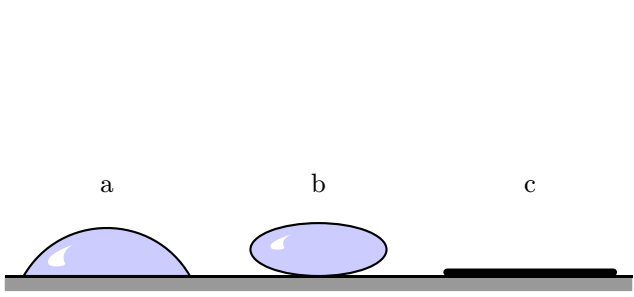


b

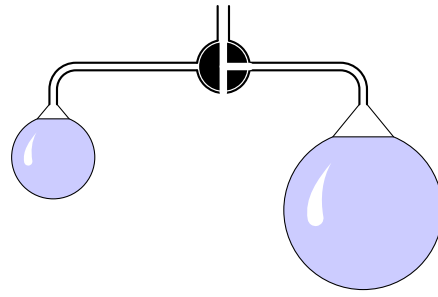
pf3-40



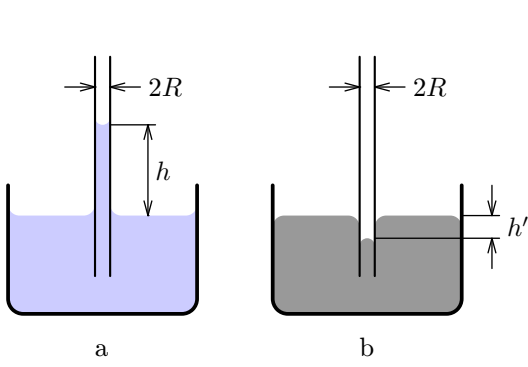
pf3-41



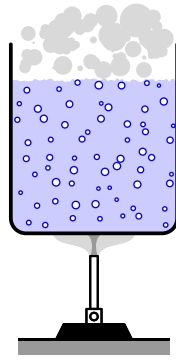
pf3-42



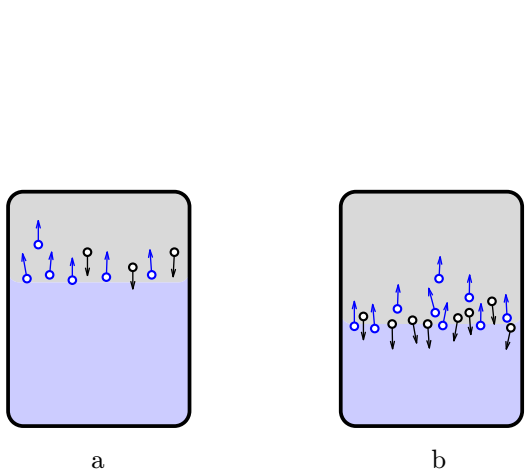
pf3-43



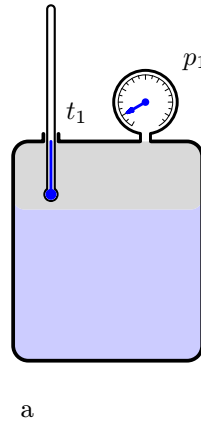
pf3-44



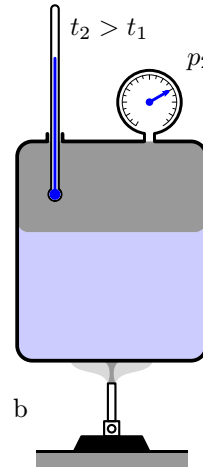
pf3-45



pf3-46

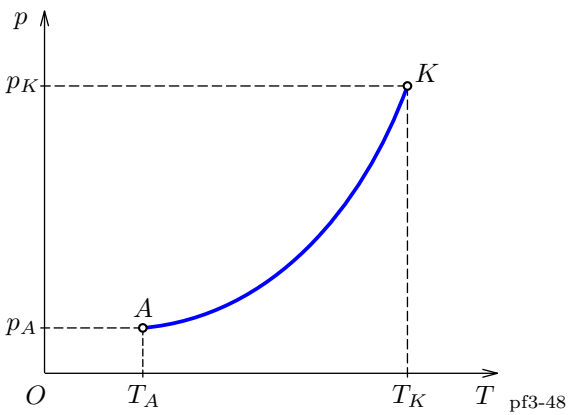


a

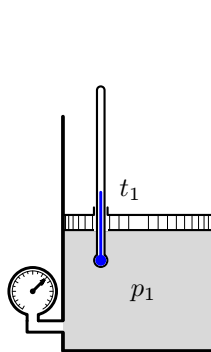


b

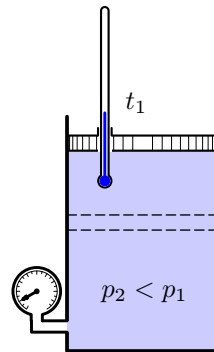
pf3-47



pf3-48

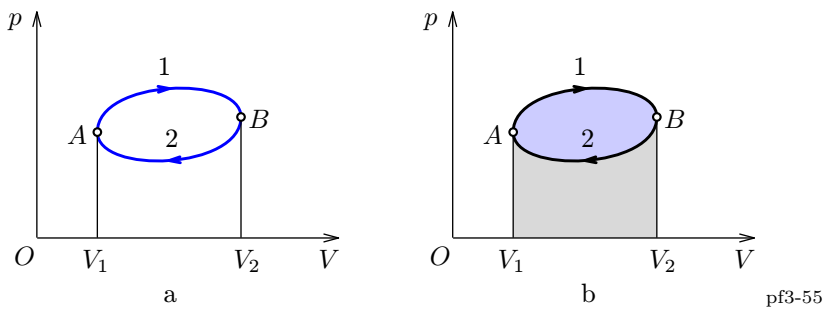
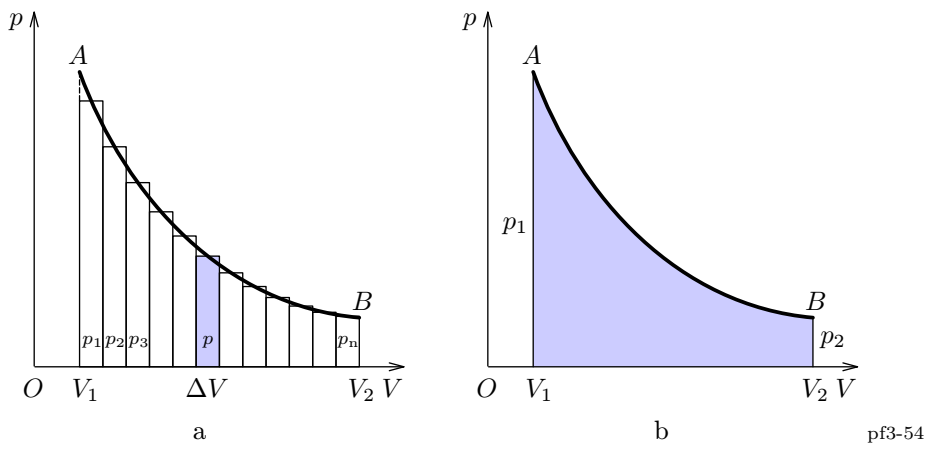
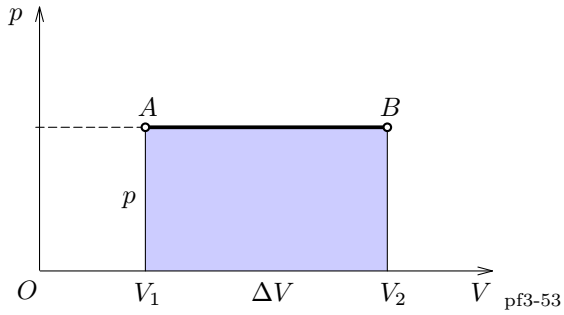
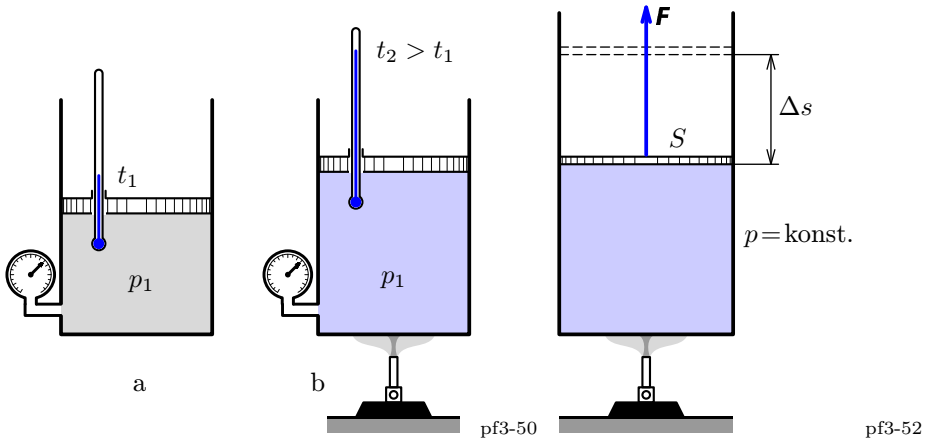


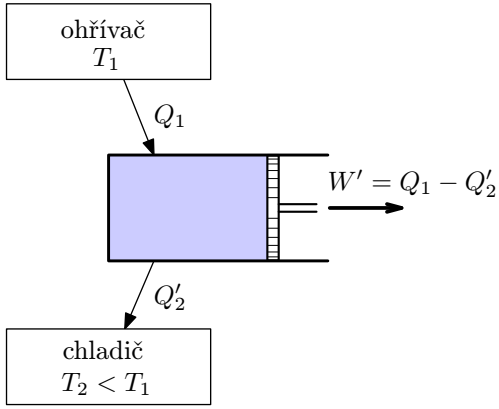
a



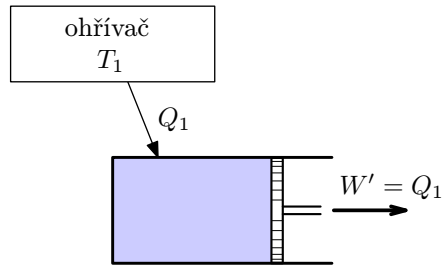
b

pf3-49

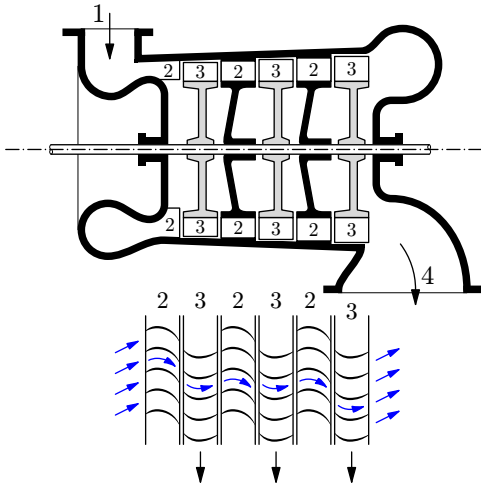




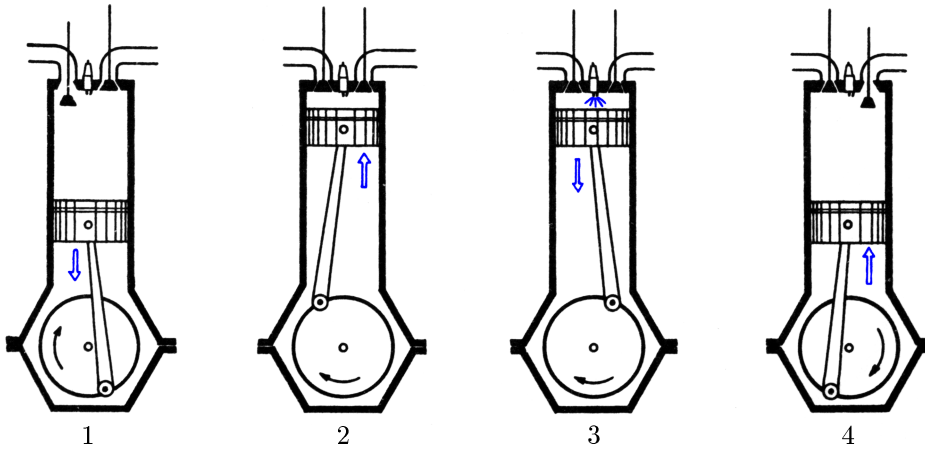
pf3-56



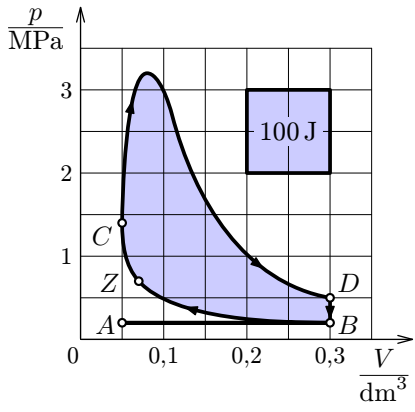
pf3-57



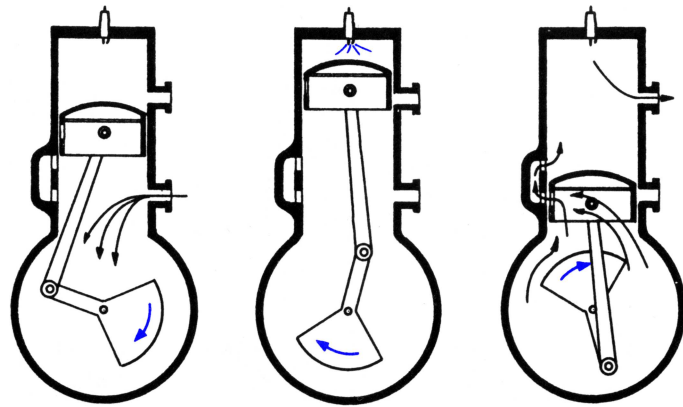
pf3-58



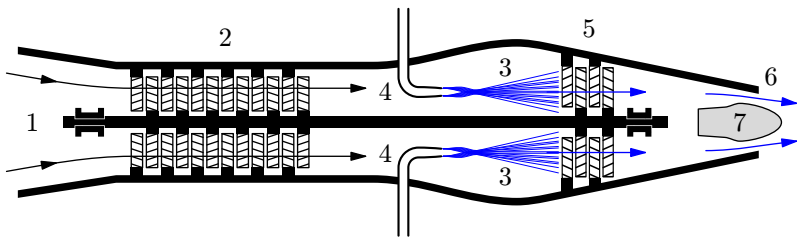
pf3-59



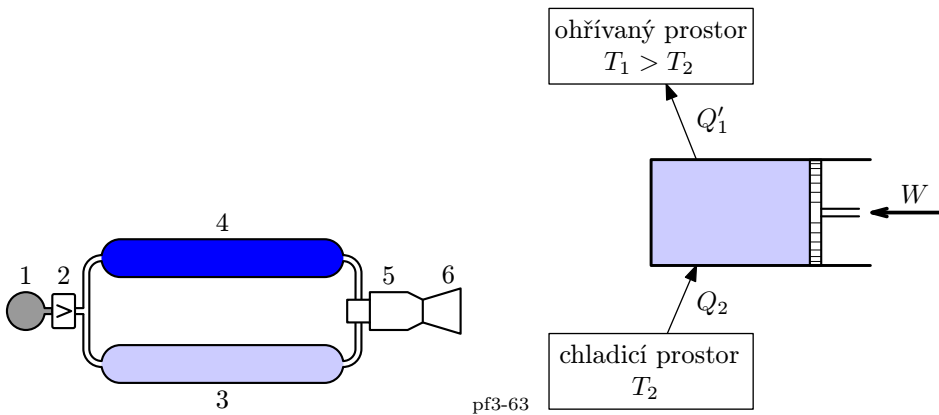
pf3-60



pf3-61

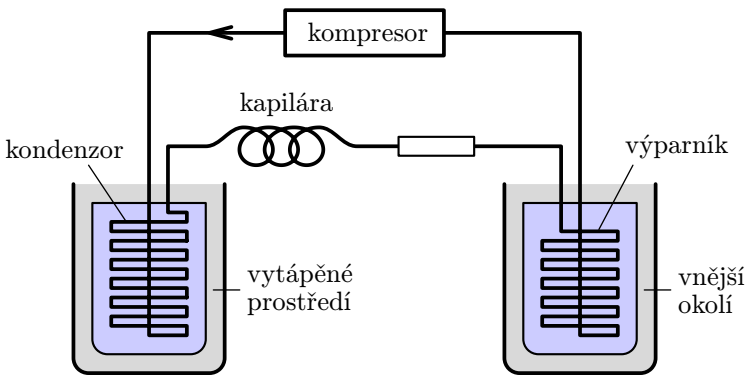


pf3-62

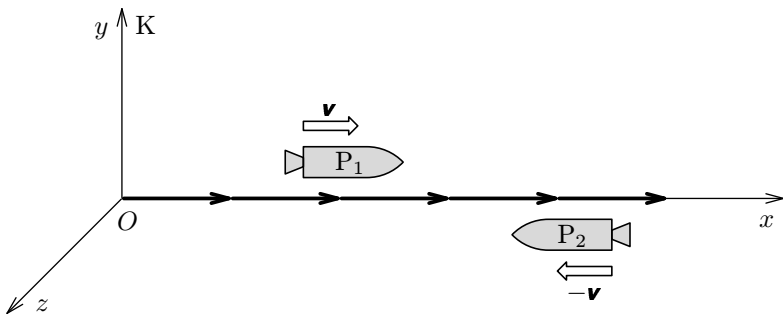


pf3-63

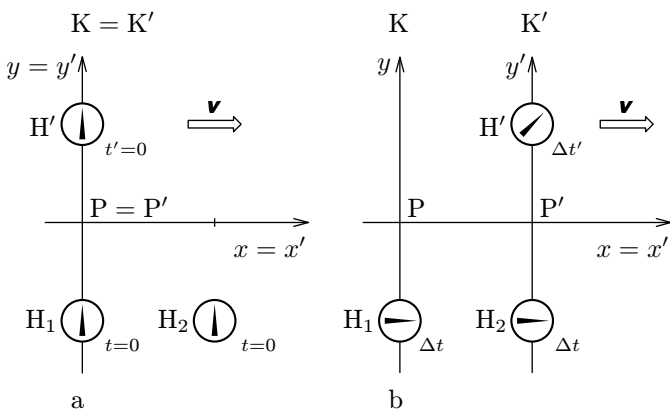
pf3-65



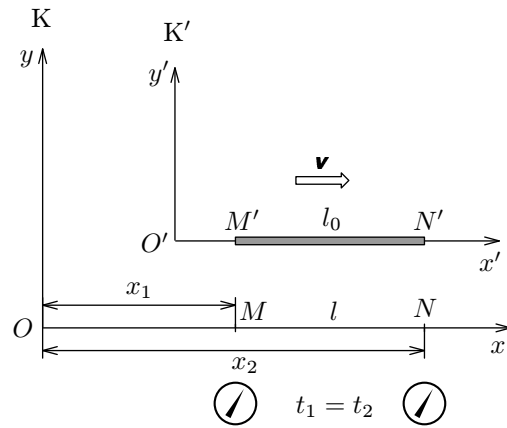
pf3-66



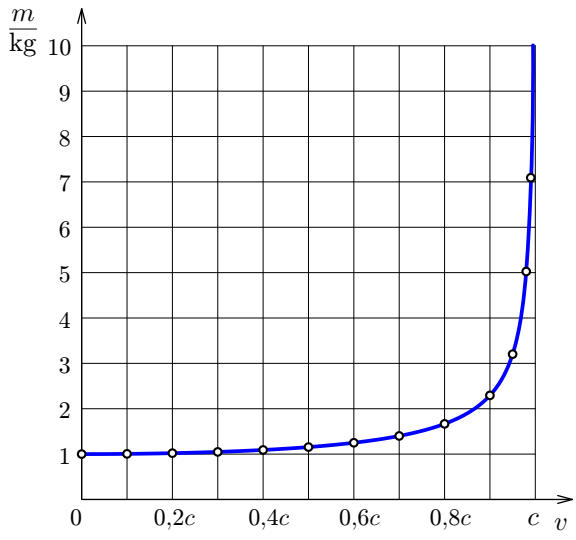
pf7-1



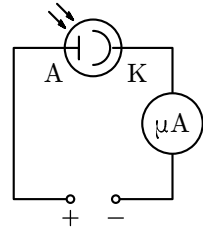
pf7-2



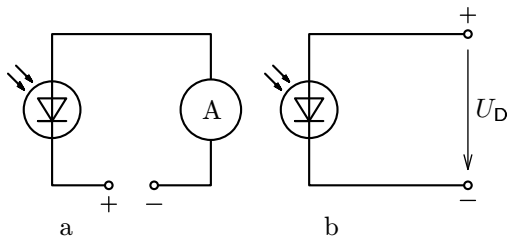
pf7-3



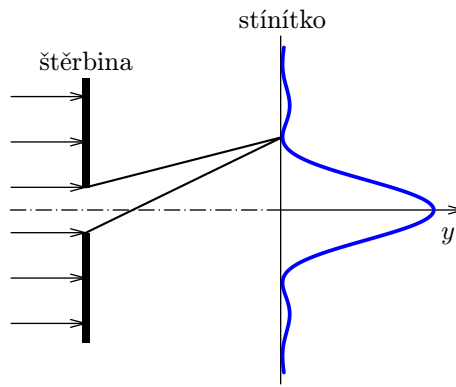
pf7-4



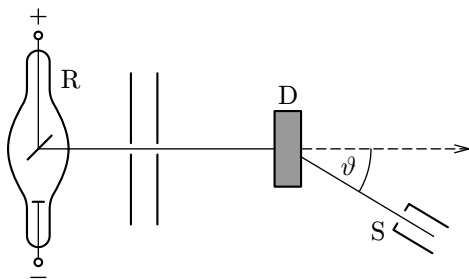
pf8-1



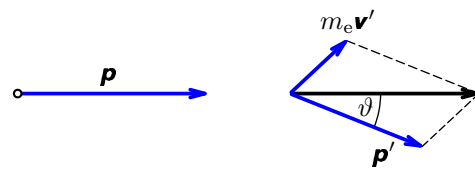
pf8-4



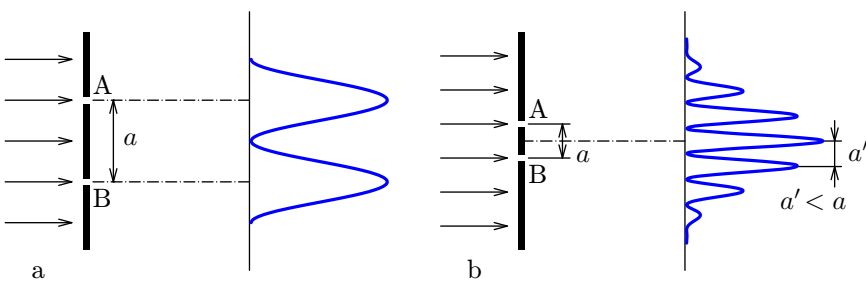
pf8-5



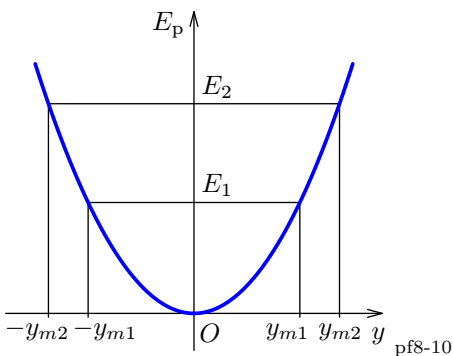
pf8-6



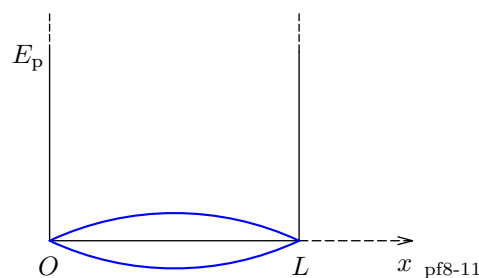
pf8-7



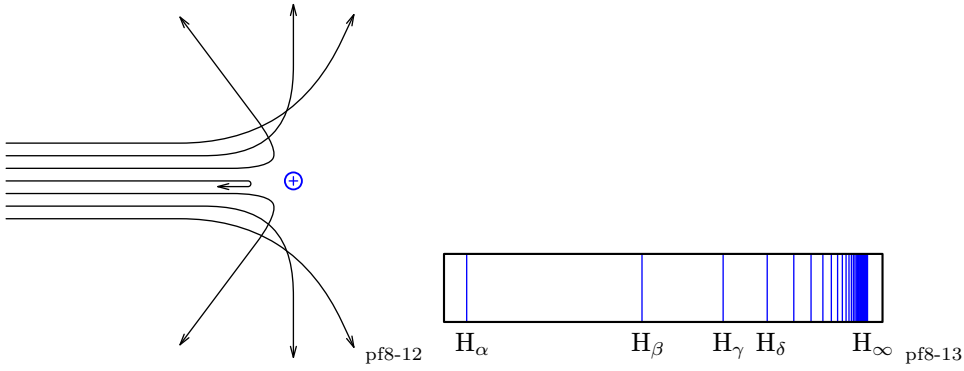
pf8-9



pf8-10

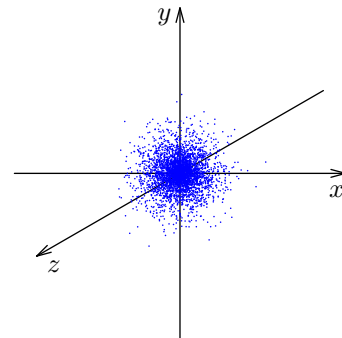


pf8-11



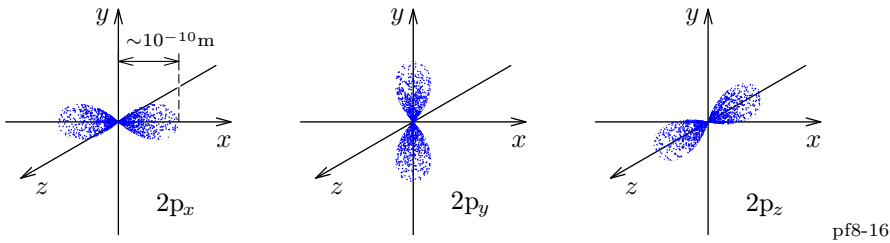
Záření	Ultrafialové	Viditelné	Infračervené	energie eV
hlavní kvantové číslo n				
∞				-0,38
6				-0,54
5				-0,84
4				-1,81
3				-3,39
2				-3,39
1				-13,58
série	Lymanova	Balmerova	Paschenova	

H_∞
 $H_\alpha = 656 \text{ nm}$ (červená)
 $H_\beta = 486 \text{ nm}$ (modrá)
 $H_\gamma = 434 \text{ nm}$ (fialová)
 $H_\delta = 410 \text{ nm}$ (fialová)

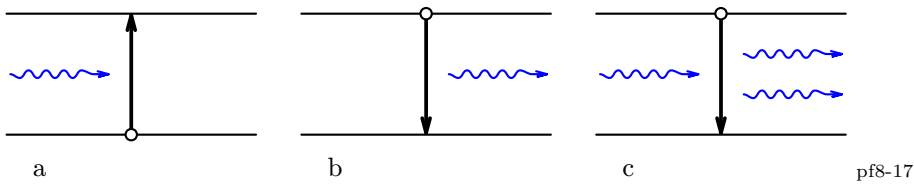


pf8-14

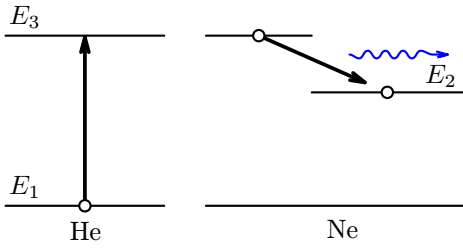
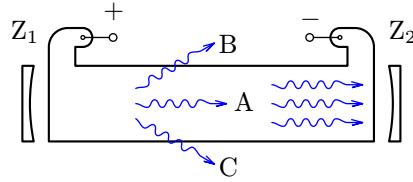
pf8-15



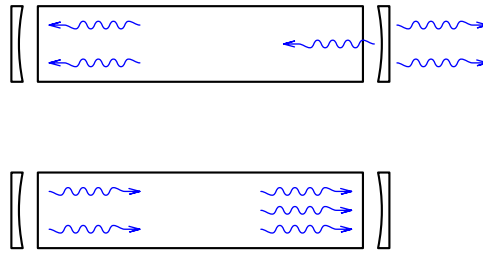
pf8-16



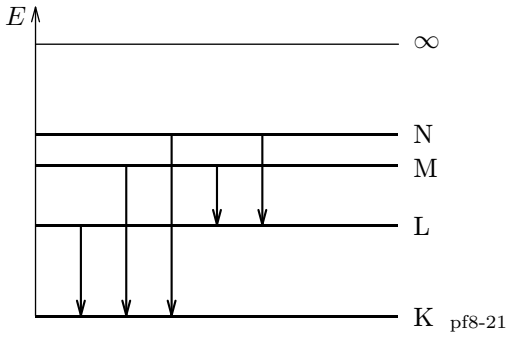
pf8-17



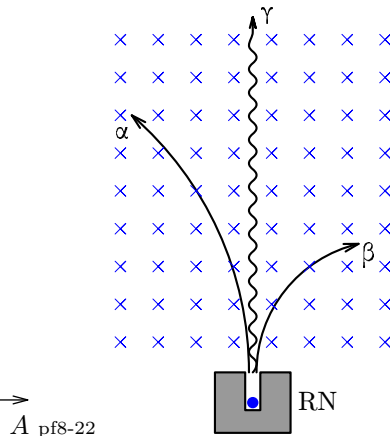
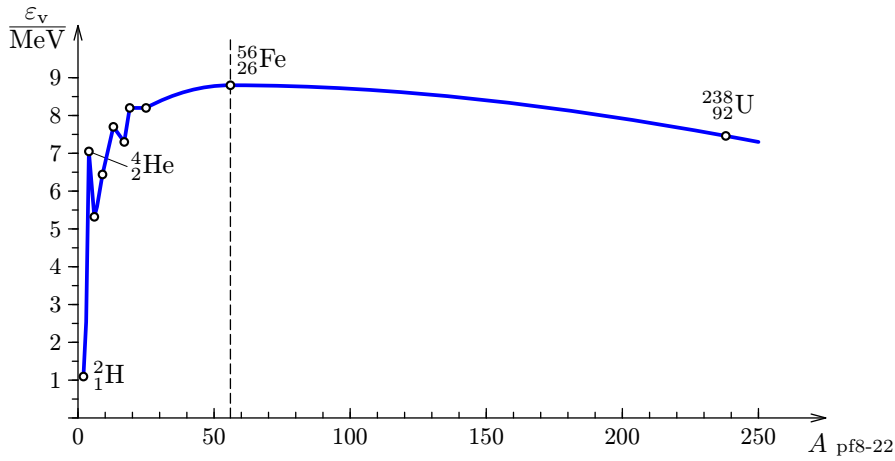
pf8-18



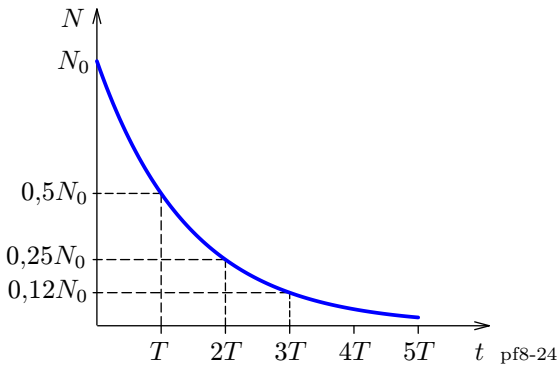
pf8-19



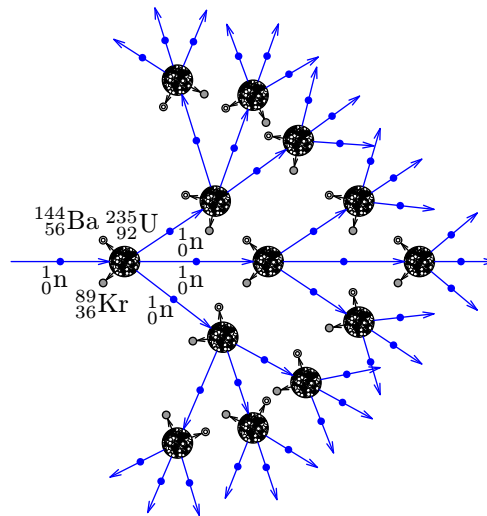
pf8-21



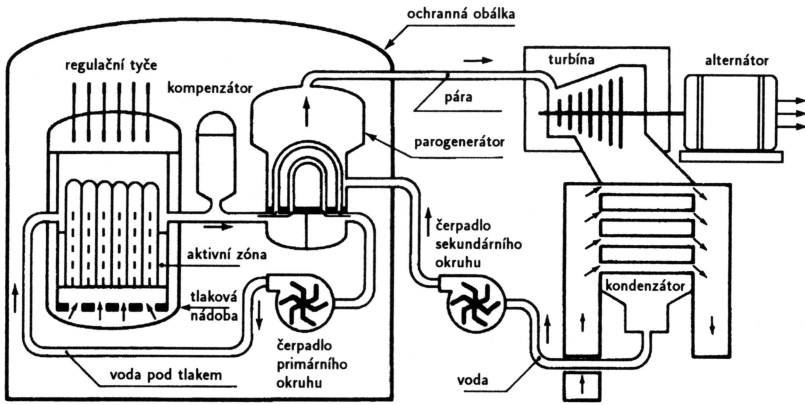
pf8-23



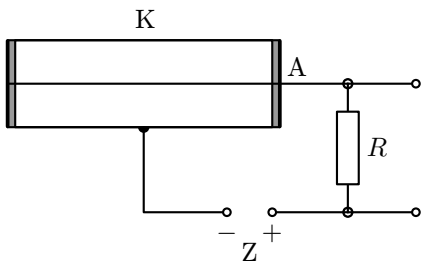
pf8-24



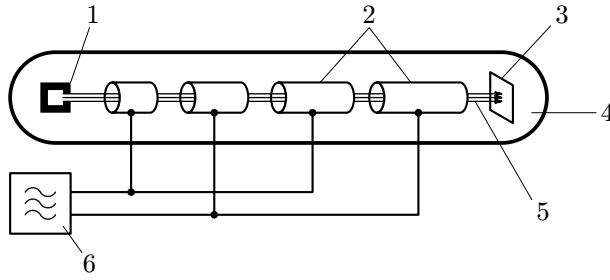
pf8-25



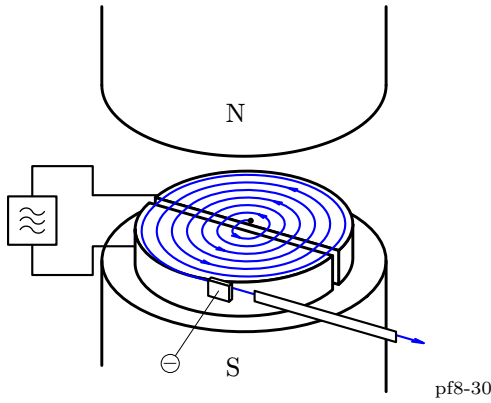
pf8-26



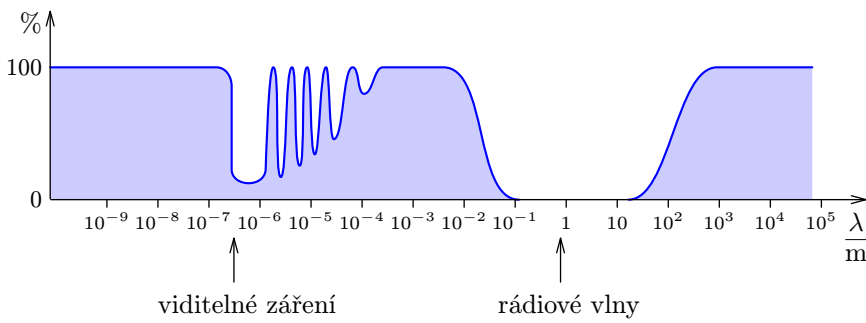
pf8-27



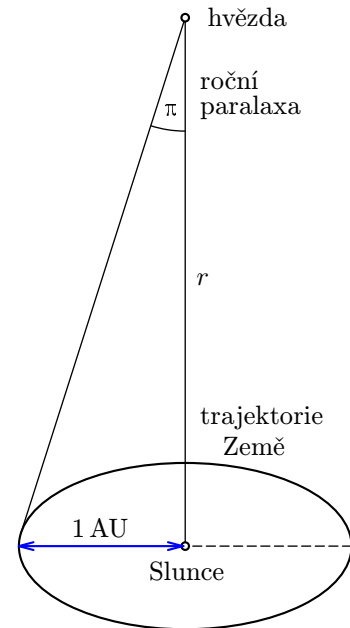
pf8-29



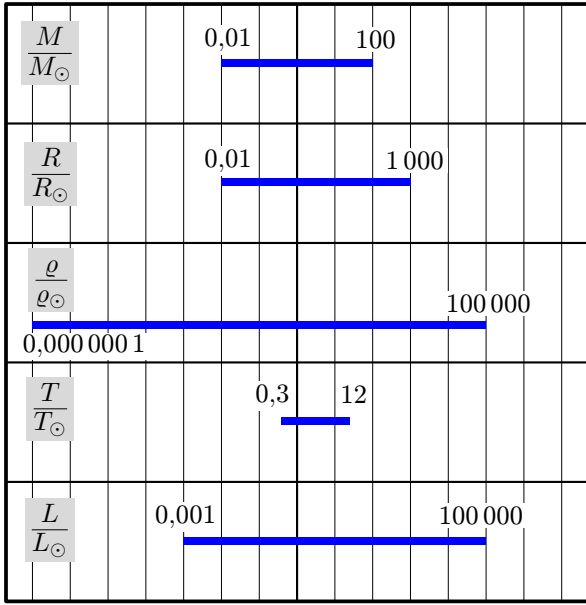
pf8-30



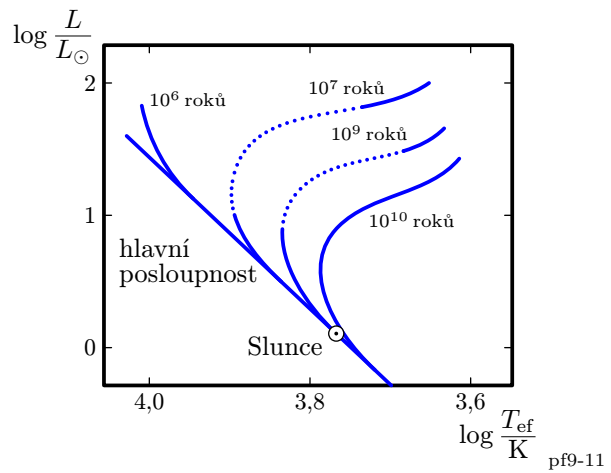
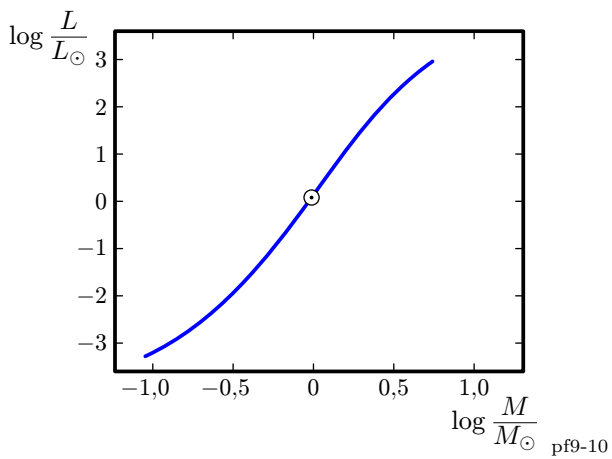
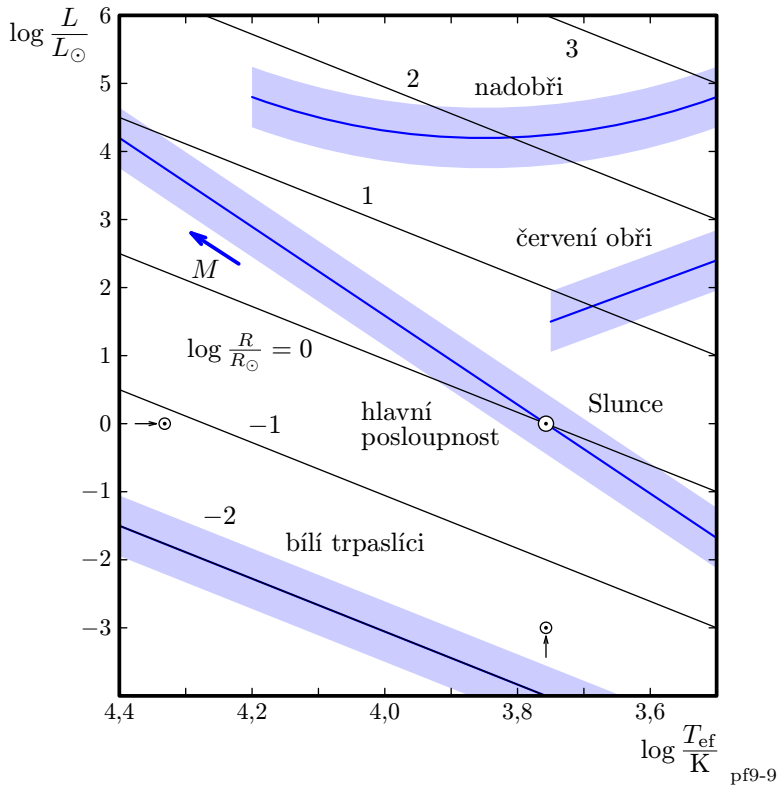
pf9-1

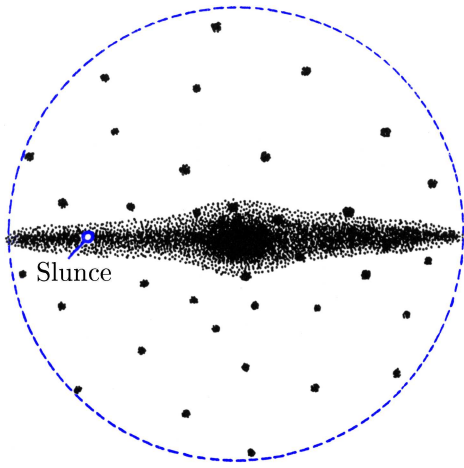


pf9-7

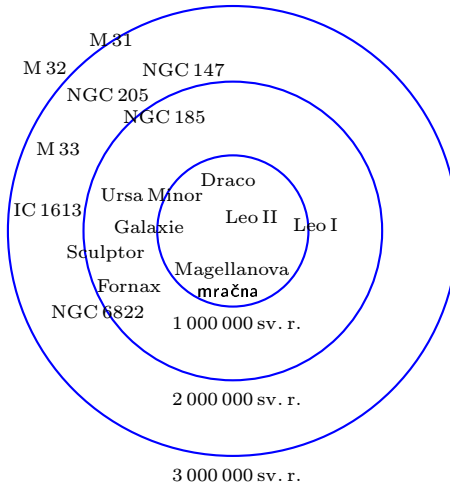


log -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 pf9-8



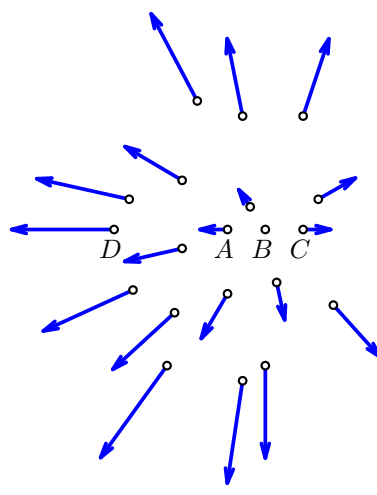
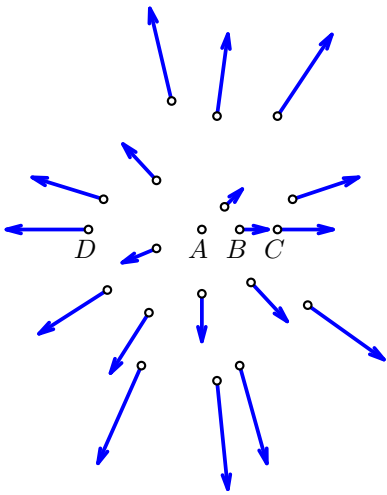


pf9-14



3 000 000 sv. r.

pf9-18



pf9-21