DULJINE,
POURSINE,
VOLUMENI

(KAO INTEGRALI)

2. 51K1C

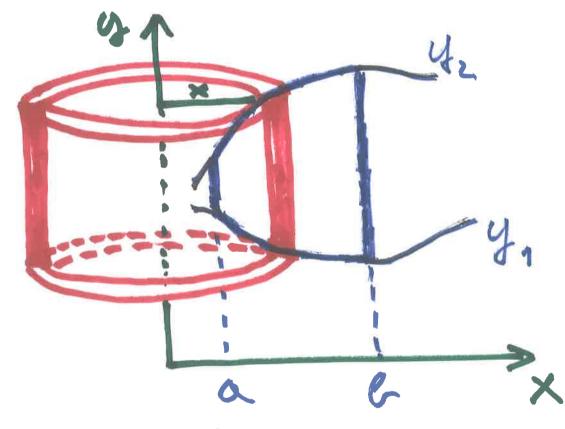
Pr. 1 dx 0 s dl = Prais. Pr. 2.

P[a,6] = golf = (42-41)dx

LR = San = Svarz+an = S ((() + ()) + ()) -= jx /1+(dy)-

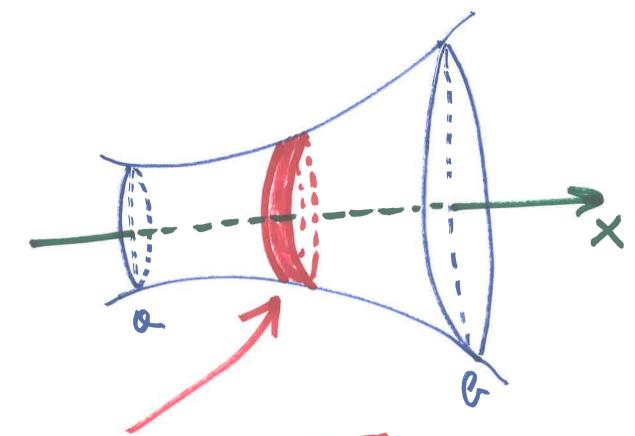
Pr. 4.

Prijenca = $(x+dx)^2T - x^2T$ = $2TTx dx + dx^2T$ 111 = $2TT(x+\frac{1}{2}) dx$



$$V[a,b] = \int dV = \int (y_2 - y_1) 2Tx dx$$

Pr. J.



PARNJ. STOSCA = 2TT NA

Prair = gdP = f2TTy/dx+dy

= 12/14/dy dx

TEOREM AKO JE V [x,x] DEFINIRANO ZA SVE X, X, E CQ, G] IAKO JE (1) V[a,x]+V[x,x+Dx] = V[a,x+Dx] (2) POSTOJE J(X, DX) I J (X, DX)
TAKVI DA J, J JX JX J (X) I DXJ =V[x,x+Dx] = DXY $V[a,b] = \int_{a}^{b} y dx$

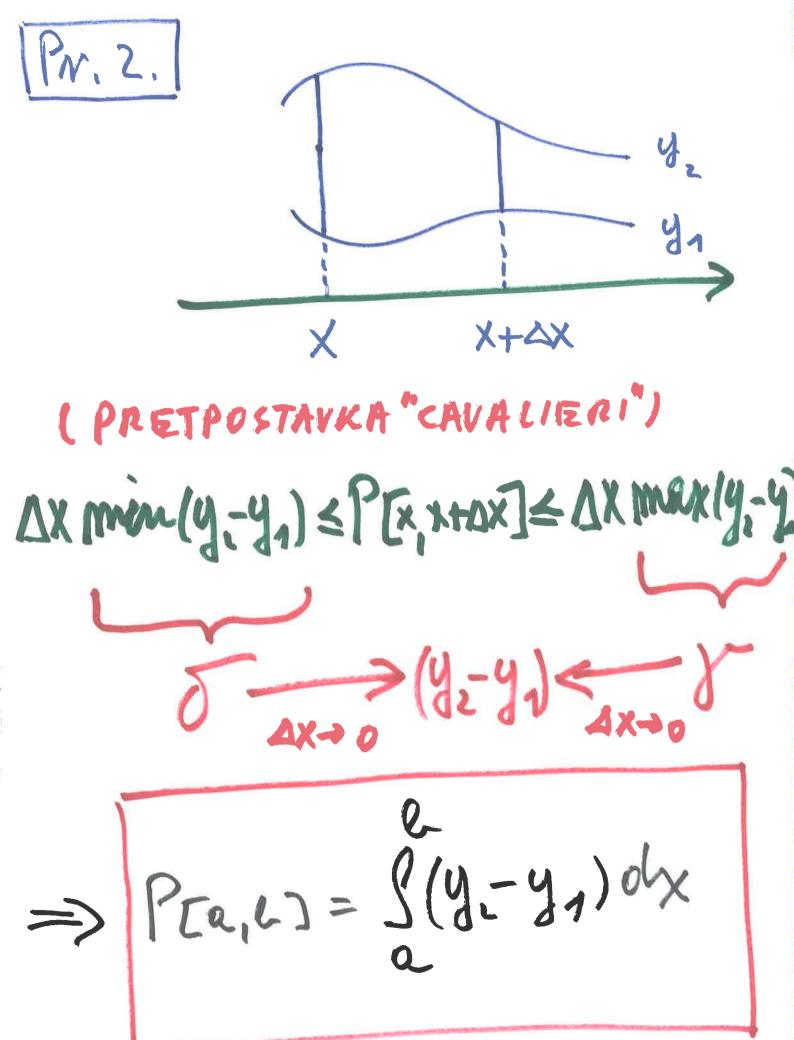
DAKLE, DA BI HERACUNALI V [a, 6] DOVOGNO JE PROVJERITI (1) STO JE TRIVIJALNO 1 (2) STO JE KYUCNO. DOKAZ [a,x+0x]-V[a,x](1)V[x,x+0x] (2) $4x\rightarrow0$ y(x) TJ. V'=y $4x\rightarrow0$

 $\int_{a}^{b} y \, dx = V[a, b] - V[a, a]$ = V[a, b]

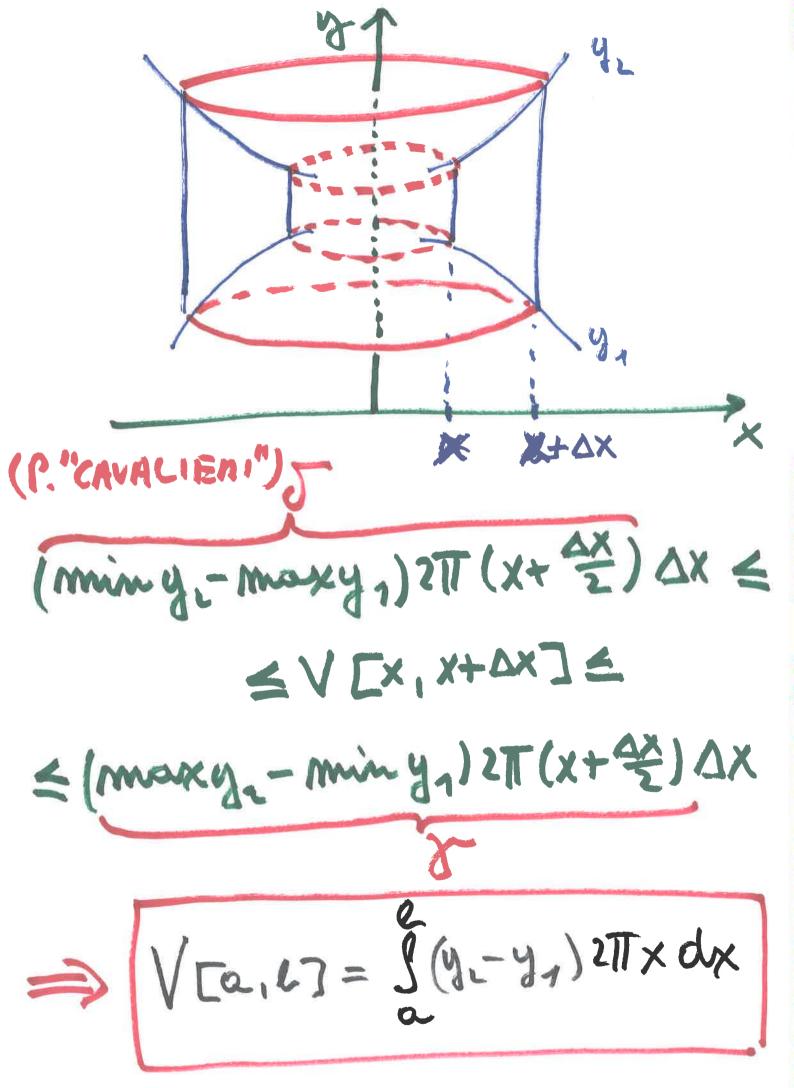
Pr. 1. XAX (PRETT. O"SADRAAVAMU") AX minuy < [x, x+0x] < Ax max y

[x, x+0x]

[x, x+0x] => P[a,c] = Sydx

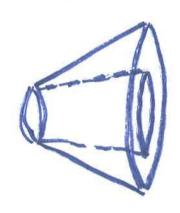


L, [t,t+st] < L,[t,t+st] At/min(张);+min(t) =[[t,t+At] < At/max (bit) + max (bit) L[tritk]=SV(GH)+(GH) ott



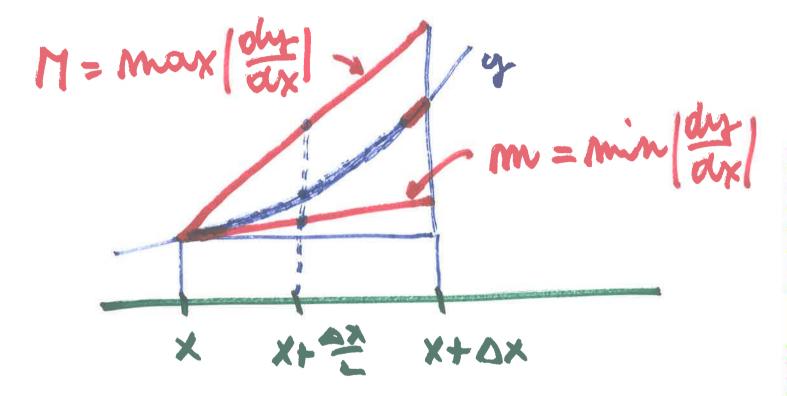
Pr. J.

PRETPOSTAVKA OP:



VECINAGIB VECA ROTA-CIJSKA POVRSINA:

2TTNA



2TTY VAX+miax2 = P[x,x+0x]

P[a,b]= \$2114/1+(3x)2 dx