Enguerns Comagnonapuse rereuse bezneis Hugasomu 6 Thyse Popryre nyazeis

Byzrocmo

obustienns case Hughomy Ryndres ghistienne npunkansynt k nemy caseb nepenoe unagraca neprenguez aprio nanpata-10 Terecus

na ocuste ocan. gamenx:

7 - gunannyeenare by wooms

6 crc

e cu

Tic.

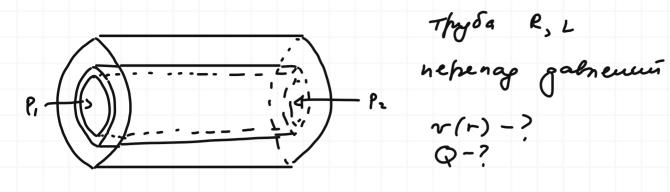
$$[\gamma] = i \frac{\Gamma}{cm \cdot c} = 1 \cap (ny^{a}3)$$

$$[\gamma] = 1 \frac{w}{m^2} = 1 \frac{H \cdot c}{m^2} = 1 \text{ Na. } c = 10 \text{ N$$

если спорость споннти образом менеется от сточ и спою:

$$\tau_{xz} = \frac{F_{xz}}{S} = \gamma \frac{dr}{dz}$$

Popuyna Nyeyenna



Thy Sa R, L

P-M X ÷ X + Olt. Brigerin Crai ++ r+dr.

S = 25 rolx

Fip (+) = 20 rdx . y dr

dfop(r)=fop(rear)-fop(r)= dr (200 rolandor) dr= 20 y dr (axdr) dr= = 2017. dxdr. d (ar) dr

dFgah = (p(x)-p(x+ax)) 211rdr = - dP . 211rdrdx

drop + drgam = 0 (apri conaguouapuon Teneciui)

Shing ded to a (a) dr - shr ded to de = 0 d(-y d-) - dp = = 0

jabneme « nocmo encue no ceremes opyro, un respupyen

- 2 dr - 1 dp - 2 = const

eem r=0, coust =0

 $\frac{dr}{dr} = \frac{1}{2} \frac{dp}{dx} \cdot \frac{r}{1}$

dr = i ap rdr

Sdr= 1 -of frdr

v ne jalucus os x znarum upabane conspone pakenede motte

 $\frac{dp}{dx} = cougt; \frac{dp}{dx} = -\frac{p_1 - p_2}{L}$

ormaen, P, > P2)

r(R)=0 ~> nacuru court unverpréparent

 $V(r) = \frac{1}{42} \frac{P_2 - P_1}{L} (r^2 - R^2) = \frac{1}{42} \frac{\partial^2}{L} (R^2 - r^2)$

nyageinelni (napasonn recueut)
upopuno cuopocres

$$= \int_{0}^{\infty} ds = v dt \cdot ds$$

$$= \int_{0}^{\infty} ds = \int_{$$

$$Q = \int p v dS = \int p v (-) \cdot 2\pi r dr = 2\pi p \frac{p}{2L} \int_{2L}^{R} (R^{2} - r^{2}) r dr = \pi p \frac{p_{1} - p_{2}}{2L} R^{2}$$

$$(p - nq Nyazenne)$$

yenshia aprimemawocni

L - benua goemamorna, rueson nyazeta. upofure empocren yenen yenanohunea

oyems

ecus ugeanouare:

een byzk:

togk:

$$V_{max} = \frac{R^2}{47L} \circ P$$
; $\sigma P = \frac{44L}{R^2} V_{max}$ upoy σ , Tem megnenu nomon)

9 12042 ~ 47L vmax

Bujuscous uspaem juar. pous, ecus

Tante nottue helien me governe y savance meponi

ATA~ FORL

Adp ~ El rmax

man hywomes unpour egy-10 poro, ecal Asp comocs. c K

K-Aop

profrmar ~ y 13 verax

L~ permax

rucas Pernongea

Def. Namhapwe mereune - ynoprig, pennen terenus dez nepenemusbames menergy construir unique course.

Огр. Пурбуленоно: гетения — реним течения, когда эт-оп отприости овершают перетупирные, кастите, деп н. с интенсивания перещения вашем мену сполоче

$$Re = \frac{gul}{2} = \frac{ul}{2/5} = \frac{ul}{2}$$

Choisens nogobile rupp grunoum rement revenui:

при изм. параметров нипристи и тела, по при сохранения дначения ве караныер течения ue meuserel

WTF?

$$E_{k} = \frac{1}{2}mu^{2} \qquad m \sim g^{23} \qquad g^{n^{2}}e^{3}$$

$$F_{F} = \frac{1}{2}S_{d}^{n} = \gamma n^{2} \qquad \gamma e^{\frac{1}{2}n} = \gamma n^{2}$$

$$A_{F} \sim F_{F}e^{2} \sim \gamma u^{2}$$

$$\frac{E_{k}}{A_{F}} \sim \frac{\rho n^{3}e^{\frac{1}{2}}}{\gamma u^{2}} = \sqrt{\frac{\rho n^{2}}{2}} = Re$$

Re 20 1 gonnunpysor nuepy. Hørners

Ne cc - - - 246. bignocm a

11 anninaprive 1800 Re
(m-mu) (opy 5a)

пунно ми о даномах поробия течений?