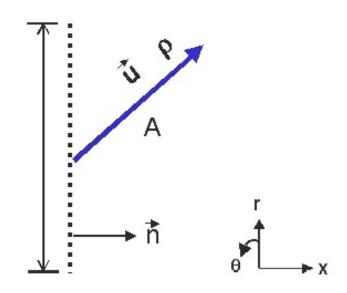
Chapter 9, Question 1: Angular Momentum

$$\sum \bar{T} = \frac{\partial \bar{H}}{\partial t} + \int_{s} \rho \bar{r} \times \bar{u}(\bar{u} \cdot \bar{n}) ds$$

What is the x-component of angular momentum flux out of this surface?

- 1) ρAru_xu_x
- 2) pArurux
- 3) pAru_ru_r
- 4) pArurue
- 5) ρAru_θu_θ
- 6) ρAru_xu_θ
- 7) I don't know



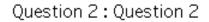
L.O. I

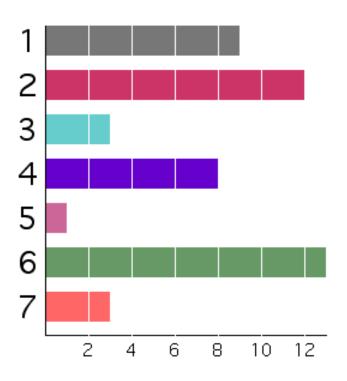
Chapter 9, Question 1 Answer:

The correct answer is 6) pAruxuθ

u dot n is u_x , the x-component of r x u is $ru\theta$

Class performance (2003):





Class performance (2001):

