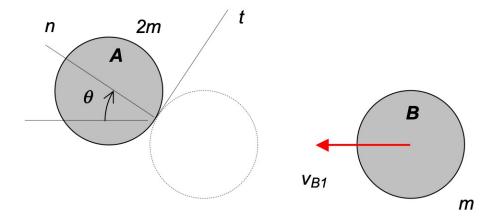
Homework H.4.P

Given: Disks A and B have masses of 2m and m, respectively. Disk B is traveling in the direction shown with a speed of v_{B1} when it strikes the stationary disk A ($v_{A1} = 0$ ft/s). Let e represent the coefficient of restitution of impact between A and B.

Find: Determine the velocity of disk A after impact. Write your answer as a vector in terms of its n and t components.



Use the following parameters in your analysis: e = 0.6, $\theta = 60^{\circ}$ and $v_{B1} = 80$ ft/s.

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