

56. For the purposes of using Eq. 38-28, we choose our frame to be the primed frame and note that, as a consequence, $v = -0.800c\hat{i}$ for the velocity of us relative to Bullwinkle.

$$u = \frac{u' + v}{1 + u'v/c^2} = \frac{0.990c\hat{i} - 0.800c\hat{i}}{1 - (0.990)(0.800)} = 0.913c\hat{i} .$$