

Vector Addition



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i https://phet.colorado.edu/sims/html/vector-addition/latest/vector-addition_en.html



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Shown below are websites related to Phy

Measurement Topics

<u>NIST</u> - Constants, Units, and Uncertainty from the National Institue of Standards as <u>Unit Conversions Tutorial</u> - Interactive dimensional analysis (factor label method) <u>NIST Clock</u> - Official Time from the National Institue of Standards and Technology <u>Powers of Ten</u> - Images zooming in by factor of ten; good "order of magnitude" der inometics

P cPanel File Manager v3

Kinematics

The Moving Man - PhET Interactive Java simulation Vectors & 2D Motion

Vector Addition - PhET Interactive HTML5 simulation

Projectile Motion - PhET Interactive Flash simulation

2D Motion - PhET Interactive Java simulation

Frames of Pafarance A classic physics video!







Vector Addition



ob Equation



Vector Addition





Choose Sum |v| 10.2 11.3 $v_{\rm r}$ Drag three light blue arrows onto the grid. Click and drag the arrow heads to change the vectors. Try to form a 20geometric figure based on the headto-tail rule. Does it matter which order (*i.e.* which one comes first)? 10 \vec{v} 10 20 40 Vector Addition Switch to "Lab"





