MITOCW | MIT8_01SCF10mod21_05_300k

PROFESSOR:

One important piece of advice. Always, I stress always, use what we call a right-handed coordinate system. And a right-handed coordinate system is defined in the following way. That x roof crossed with y roof equals z roof.

In other words, this positive x direction, positive y direction, positive z direction, this is a right-handed coordinate system. because the unit vector in the x direction, x roof, if I cross that with the unit vector in the y direction, I get this vector.

A left-handed coordinate system, which would be a dreadful thing to use because you can get yourself into very hot water. A left-handed would be this. y, x, z. Now you would have that x roof cross y roof would be minus z roof. You never, ever do that, never. You can only get yourself into trouble.