

Chapter 7 Statics

KEY TERMS AND DEFINITIONS

composition

Addition of two or more vectors

g

The gravitational attraction at the Earth's surface; it varies from 9.78 to 9.83 Newtons per kilogram

Newton

The force required to accelerate a one kilogram mass at one meter per second per second

projection

Of the projection of a vector onto a line, the vector from (the projection of the tail of the vector onto the line) to (the projection of the head of the vector onto the line)

resolution

The process of finding two or more vectors, usually in specified directions, that will add up to the resolved vector

scalar

A quantity with only magnitude

vector

A physical quantity with both magnitude and direction