

Chapter 16

Definite Integration



Table 16-1: Application of calculus in mechanics illustrated

Differentiation		Integration	
$\frac{d}{dt}[s]$	Velocity	$\int v \, dt$	Displacement
$\frac{d}{dt}[v]$	Acceleration	$\int a \, dt$	Velocity
$\frac{d}{dt}[a]$	Jerk	$\int j \, dt$	Acceleration



Thank You

