

Math 116 - Calculus for Engineering

4,6: Application

- calculate trends of engineering interest



Credit NASA Goddard Space Flight Center

3: Derivative - $\frac{dy}{dx}$

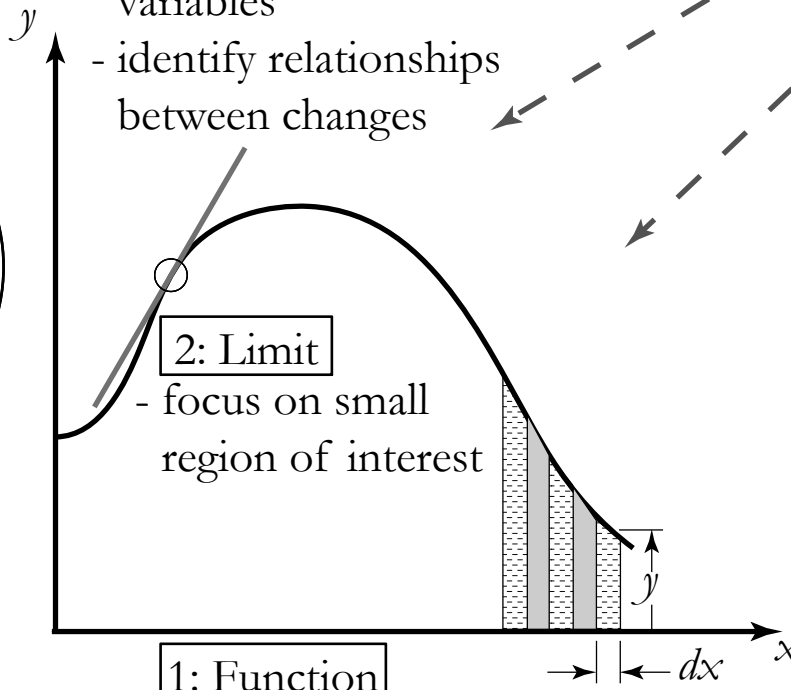
- derive local rate of change
- calculate local slope of curve

5: Integral - $\int y dx$

- calculate the accumulation due to change

Differential - dx, dy

- determine changes in variables
- identify relationships between changes



2: Limit

- focus on small region of interest

1: Function

- filter view of world
- describe numerical trends between variables

