



Momentum

- Quantity of motion per time
- Momentum = mass x velocity, **p** = m**v**
 - small, fast bird vs. large, slow bird
 - e.g., hummingbird vs. buzzard
- Vector: includes direction
- Units: (kg·m/s)















Newton's third law with 3D time

- "To every action, there is an equal and opposite reaction."
- Rushes are mutual
- Equal but opposite <u>rushes</u> cancel



