#### Navier-Stokes - PHYS3039

Kial Stewart

Research School of Earth Sciences kial.stewart@anu.edu.au

Semester 1, 2024

### Conservation of Momentum

# Forces acting on a Fluid

### Surface Forces - Stresses

### Surface Forces - Pressure

# Surface Forces - Viscosity

# Body Forces - Gravity

### Navier-Stokes - Conservation of Momentum