Properties of action that are particularly relevant to this course:

1. Dynamics and conservation of energy and momentum can be deduced from the Principle of Least Action.

2. It is action that is quantized in “Quantum” Mechanics.

3. Particles with even and odd numbers of quanta of action (\(\hbar/2\)) obey Bose-Einstein and Fermi-Dirac statistics.

4. Action conjoins the quantities that are governed by the uncertainty principle.

5. Action is a Lorentz invariant.