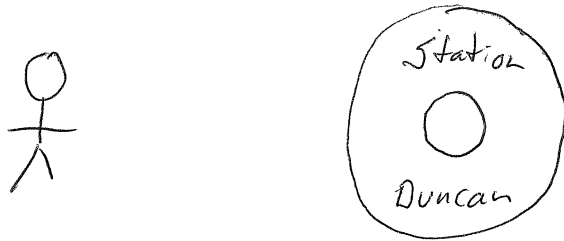


Example: Astronaut Example

An astronaut on a space walk develops a leak in the jetpack used to move. Explain how the astronaut can safely return to the station.



Solution: Throw something in the direction opposite the station. Since momentum is conserved when only internal forces act, the tool will drift away from the station, while the astronaut will drift toward the station.