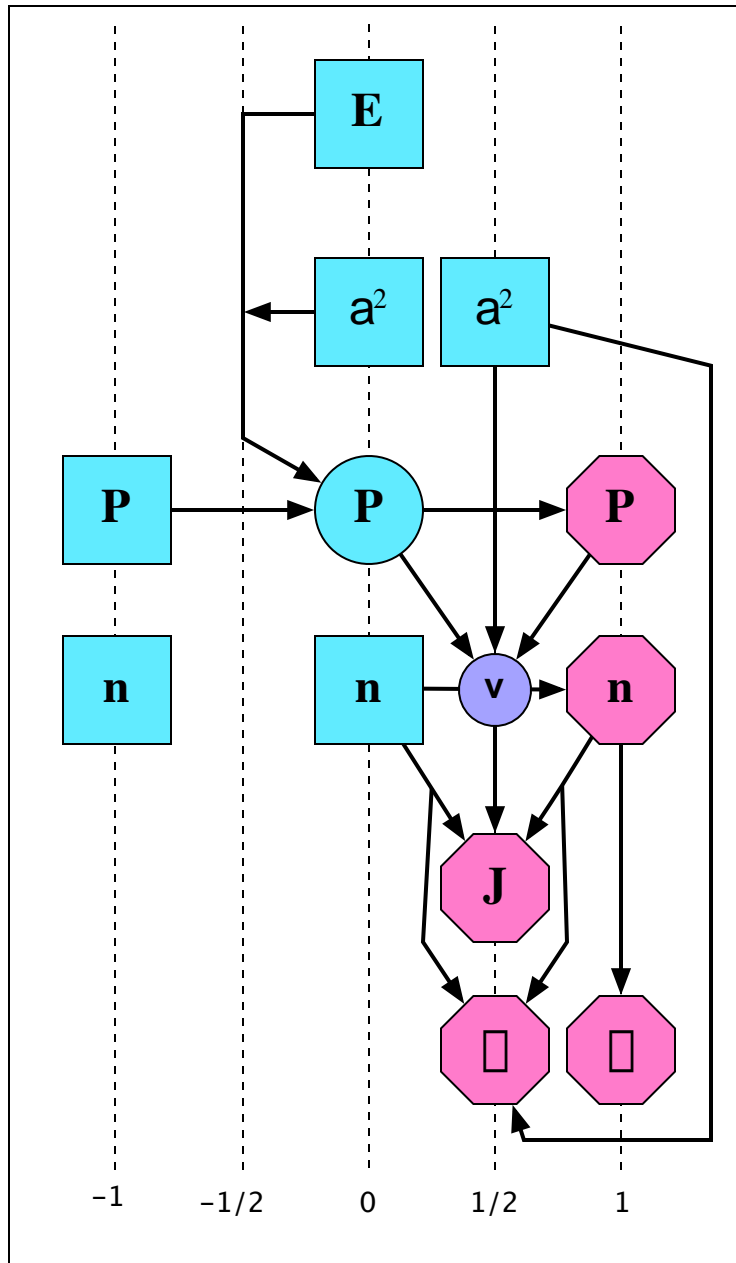


# Fluid Ponderomotive Push



$$\partial_t \mathbf{P} = q\mathbf{E} - m\nabla \sqrt{1 + P^2 + q^2 |a|^2} / 2$$

$$\chi = -q^2 n / \sqrt{1 + P^2 + q^2 |a|^2} / 2$$