$$\frac{\partial}{\partial t} f_s(t,\vec{x},\vec{v}) + \vec{v}\cdot\nabla_{\vec{x}} f_s(t,\vec{x},\vec{v}) + \frac{q_s}{m_s}\left(\vec{E}(t,\vec{x}) + \vec{v}\times\vec{B}(t,\vec{x})\right)\cdot\nabla_{\vec{v}} f_s(t,\vec{x},\vec{v}) = 0,$$

Hello, world!