

Streamlines and Trajectories

A **streamline** is defined as a line which is everywhere parallel to the local velocity vector or, to put it another way, it is a line that is tangent to each velocity vector along its path in the flow. On a **weather** chart, a line that is tangent to the flow of the wind.

A **trajectory** of a fluid parcel is simply the path it takes through space as a function of time.