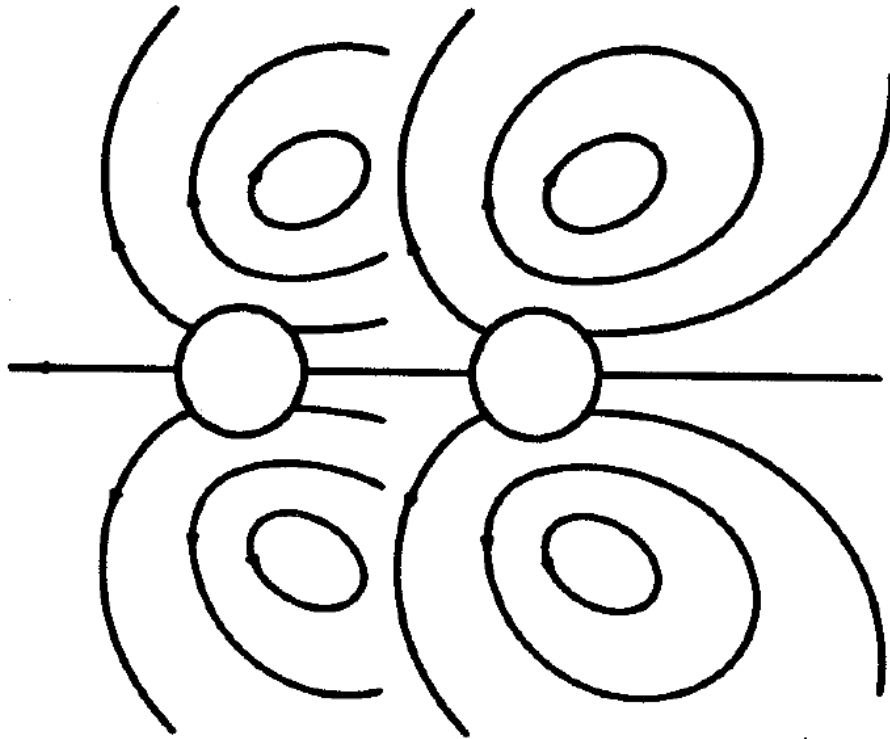


Streamlines Versus Trajectories
METR 3123 Atmospheric Dynamics II
[figures from Lugt 1979]

An atmosphere otherwise at rest is disturbed by a body (cylinder/car) moving through it. The body (moving from right to left) and associated streamlines are shown below at two different times:



For this same case we can consider the trajectory of an air parcel that was initially in front of the body, and ends up behind the body:

