Figure Captions of the movie file JFM-20-S-0817.R2

Figure 11 : Time sequence of the axial vorticity (ω_z) at the central surface (x = 0.5) with the time interval (period) of 0.875 between figures for V_E =2500.

Figure 13(c): Instantaneous structures of vortices and temperature field for V_E =3000 (isosurface of Q=7)

Figure 14(a): Instantaneous 3D vortical structures in the annulus for high values of the electric tension for $V_E = 4000 (Q = 20)$

Figure 14(b): Instantaneous 3D vortical structures in the annulus for high values of the electric tension for V_E =6000 (Q =60)

Figure 14(c): Instantaneous 3D vortical structures in the annulus for high values of the electric tension for V_E =8000 (Q=120)