

$$\Delta a_0 = 0.0005$$

ring mass m_r

10^{-8}

10^{-9}

10^{-10}

10^{-12}

10^{-11}

10^{-10}

viscosity ν_s

- \times crossed streamlines
- $\Delta q < 10^{-3}$
- $10^{-3} < \Delta q < 10^{-2}$
- $\Delta q > 10^{-2}$
- ★ unconfined

691

806

456

576