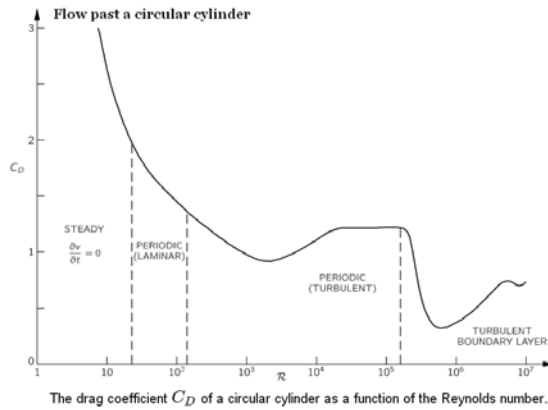


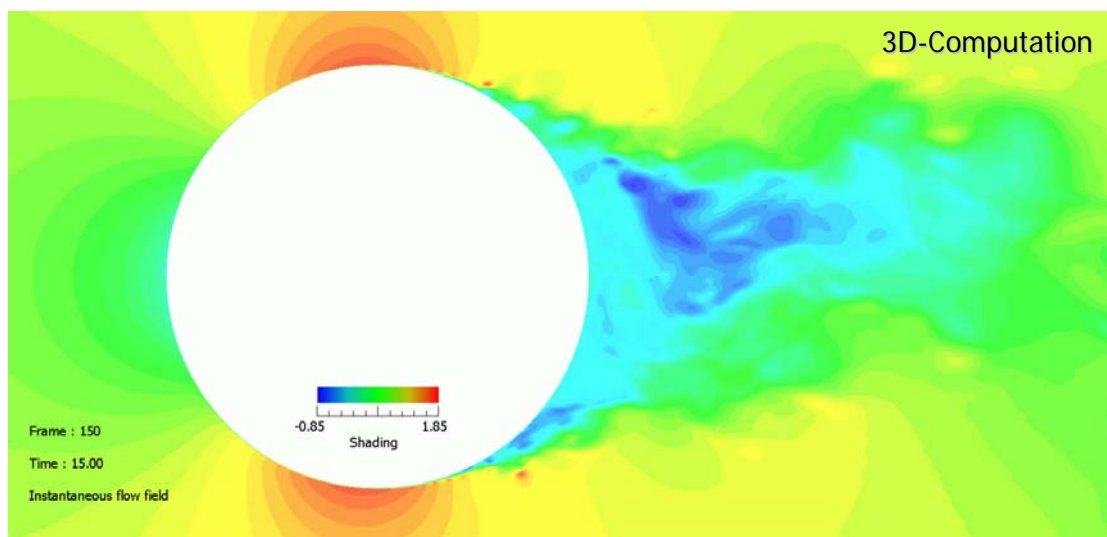
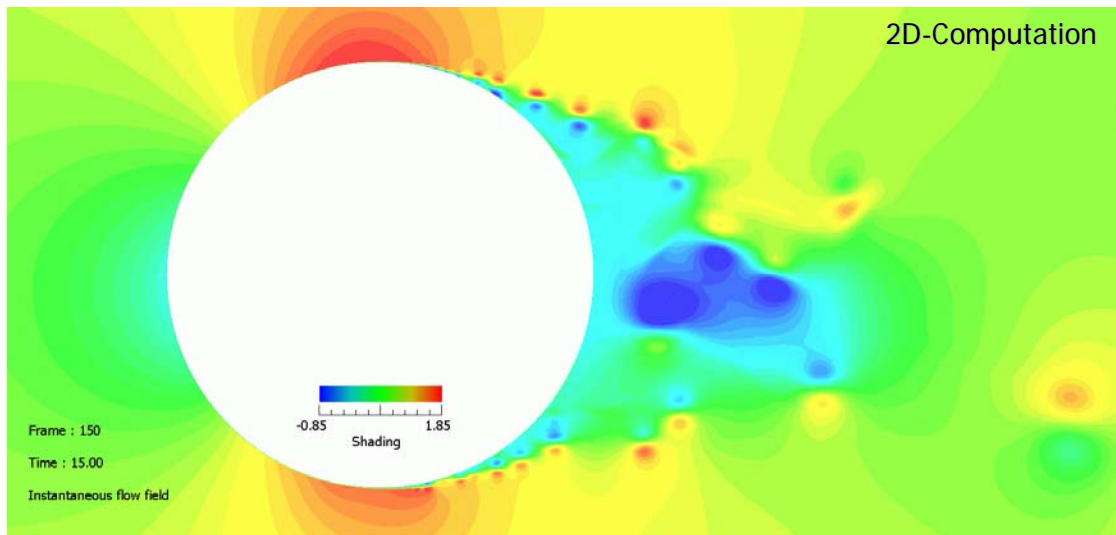
Implicit LES of drag crisis in flow past a circular cylinder

- 計算格子数: 1,001(x) × 501(y) × 301(z) (約1億5千万点)



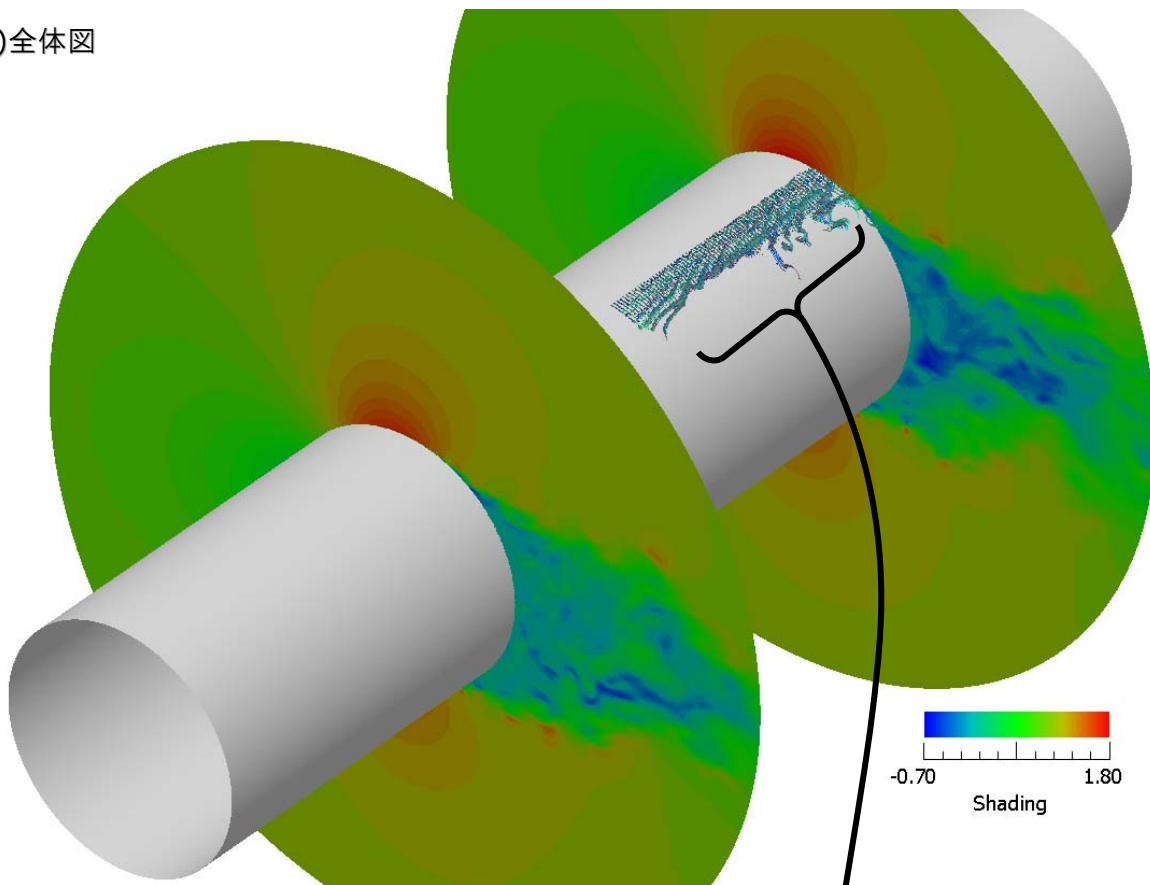
It is well known that the flow past a circular cylinder at critical Reynolds numbers ($Re=3.0 \times 10^5 - 3.5 \times 10^5$) combines **flow separation**, **turbulence transition**, **reattachment** and **turbulent separation of a boundary layer** on the cylinder. The transition causes the delaying of the separation point and an important reduction of the drag force on the cylinder surface known as the **Drag Crisis**.

⇒ Flow

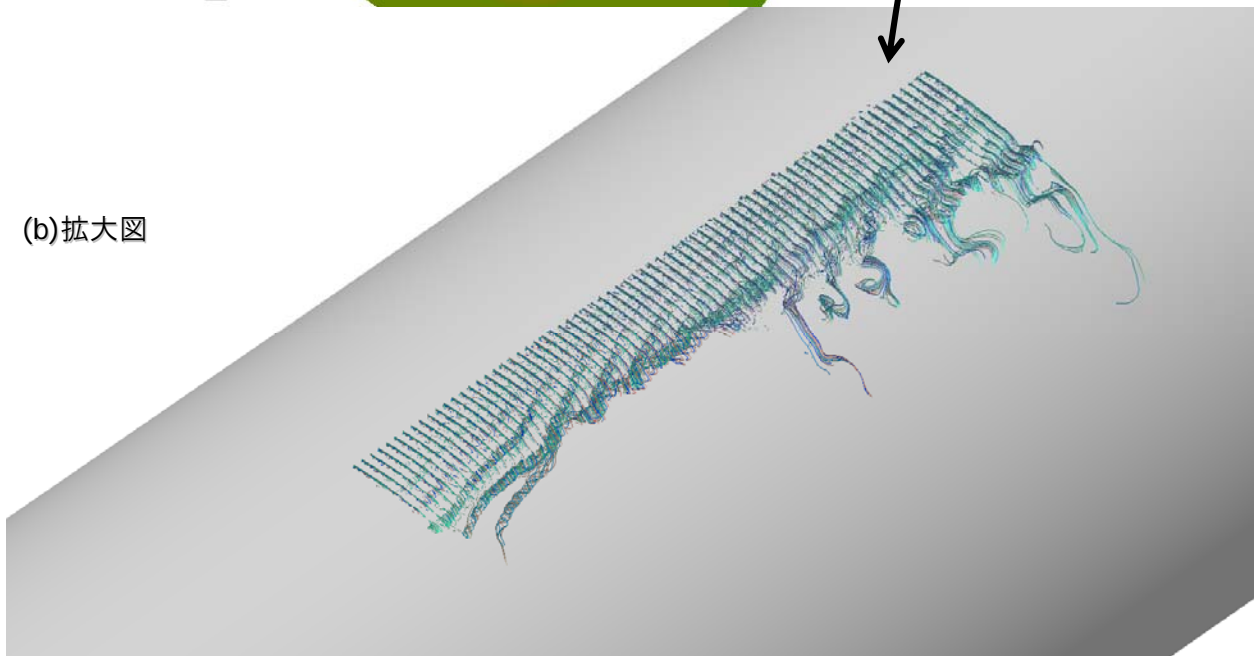


主流方向(x)の流速分布図, $Re=500,000$

(a)全体図



(b)拡大図

問い合わせ先

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