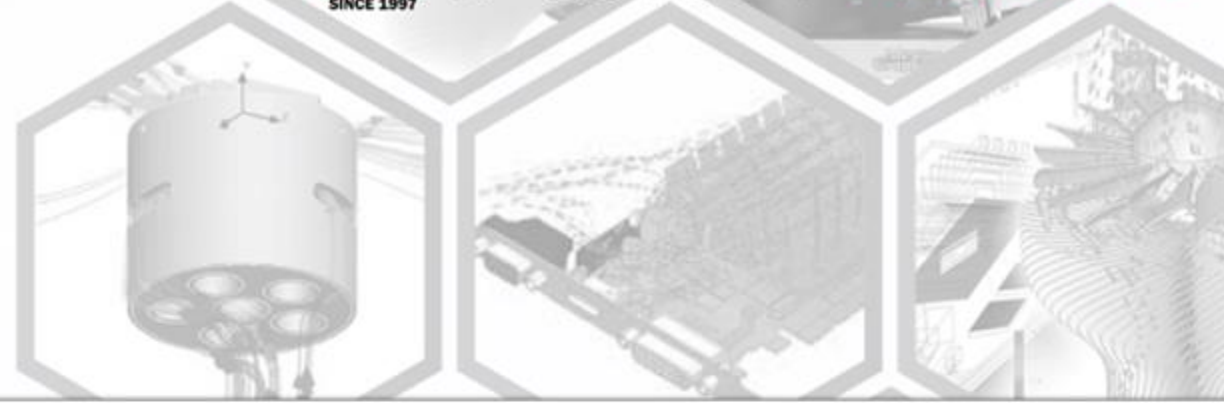




勢流科技

SIEMENS



STAR-CCM+ 2210版本更新 GPU加速功能



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加速CFD模擬運算

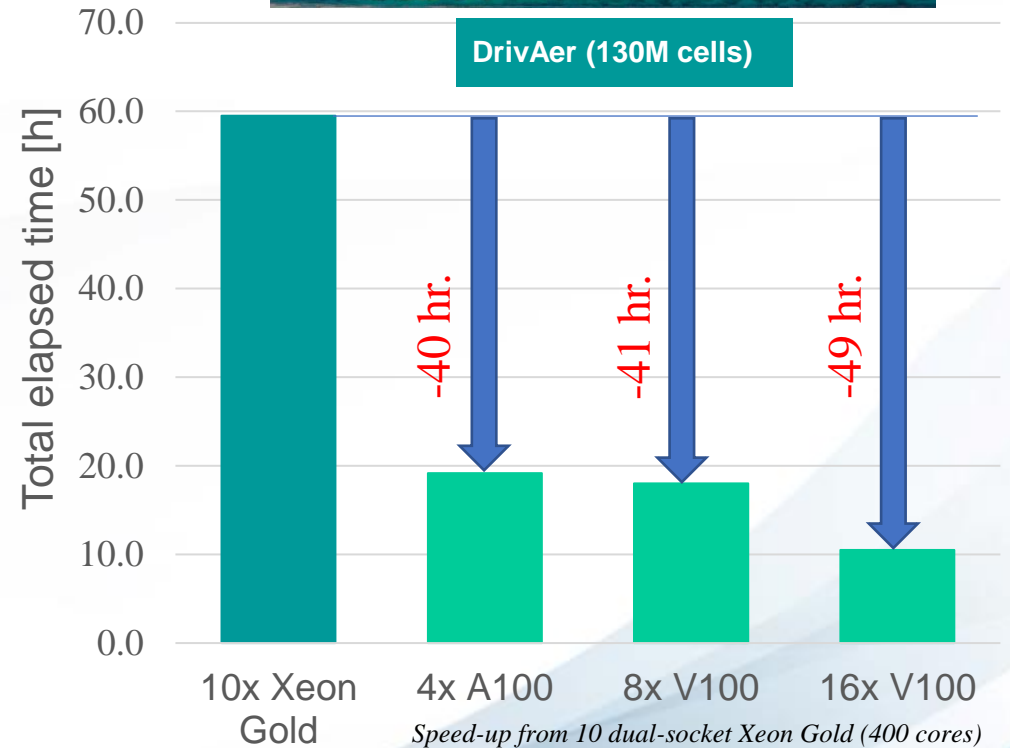
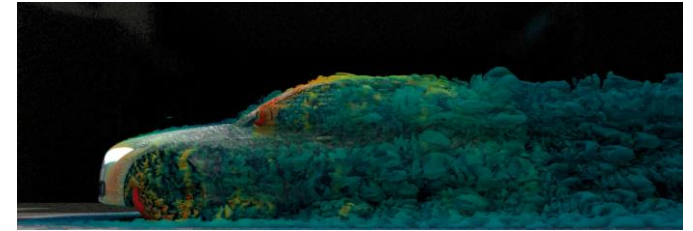
Large Eddy Simulation turbulence models :

在130M cells及4s physical time的情況下

- ① 使用4x A100相較10x Xeon Gold 提升**3.1**倍效能
- ② 使用8x V100相較10x Xeon Gold 提升**3.3**倍效能
- ③ 使用16x V100相較10x Xeon Gold 提升**5.7**倍效能

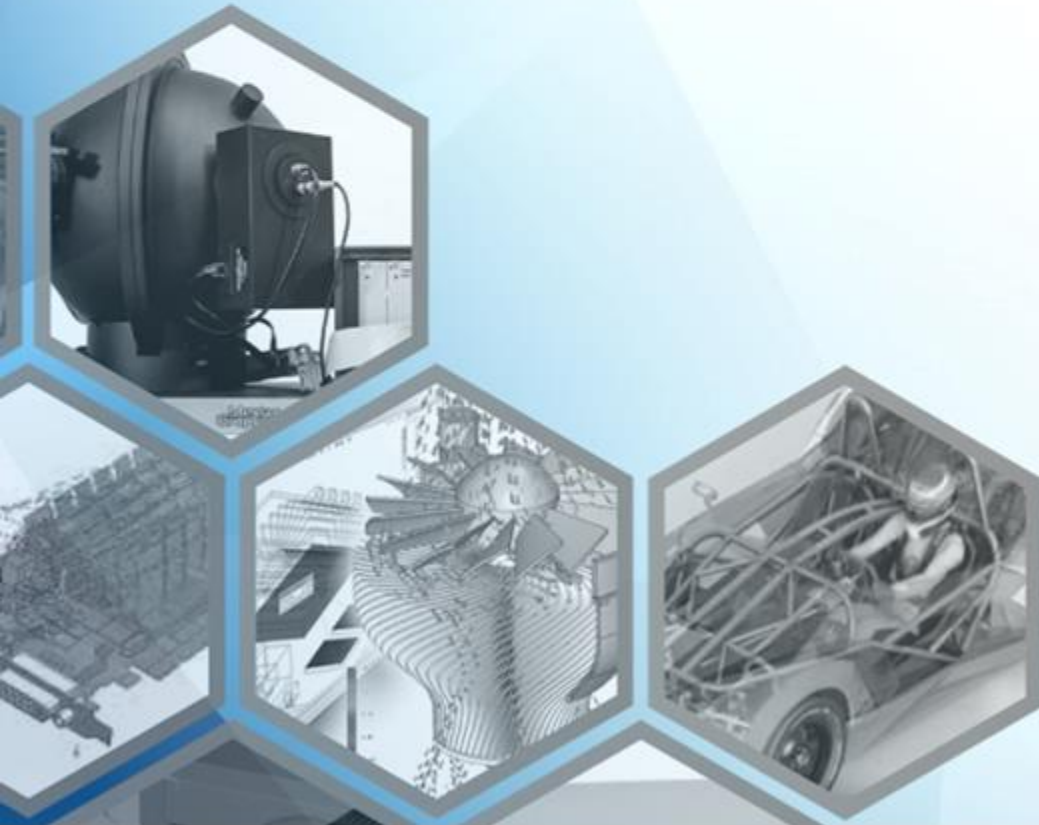
GPU加速增加支援以下Model

- Ideal Gas Equation of State (EoS)
- Material properties:
 - Constant, Power Law, Sutherland's Law
- 所有Subgrid models
 - Dynamic Smagorinsky Subgrid Scale
 - Smagorinsky Subgrid Scale
 - WALE Subgrid Scale



Thank You

謝謝



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