The Integration of CFD and Building Energy Simulation

Complements of ES and CFD	ES	CFD
Weather and solar impact	Yes	No
Enclosure temperature	Yes	No
HVAC system capacity	Yes	No
Energy consumption	Yes	No
Thermal comfort (T, V, R, Turb)	No	Yes
Indoor air quality (C)	No	Yes
HVAC system distribution	No	Yes
Natural ventilation	No	Yes

Fundamentals and Applications

- · Couple benefits
- · Couple approaches
- Couple strategies
- · Couple implementation
- · Couple performance
- Couple application





