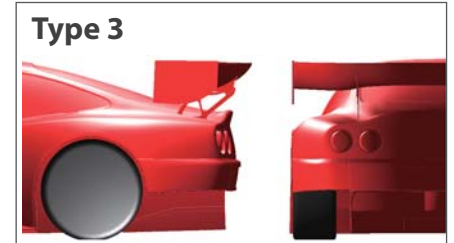
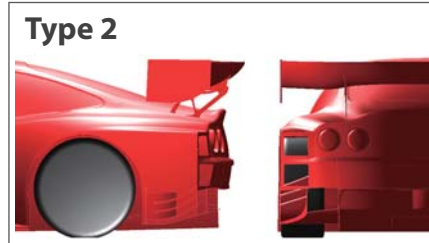
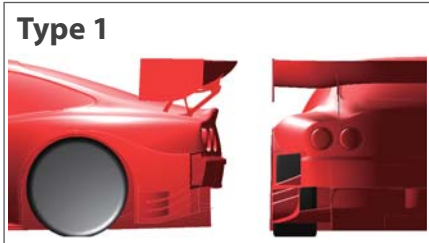


# Evaluation of Aerodynamic Performance with SC/Tetra

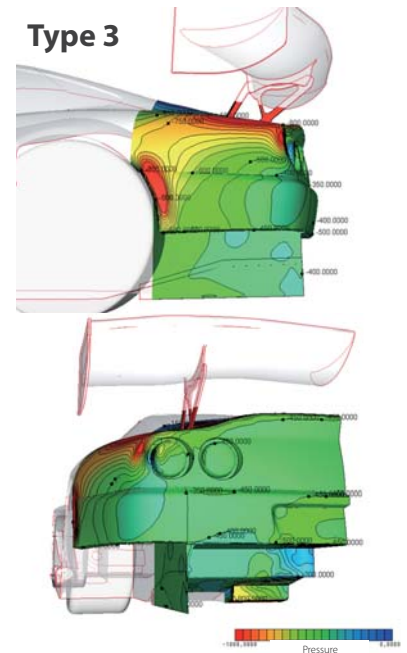
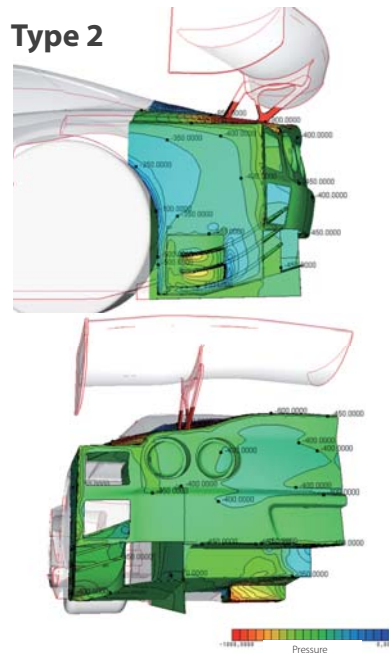
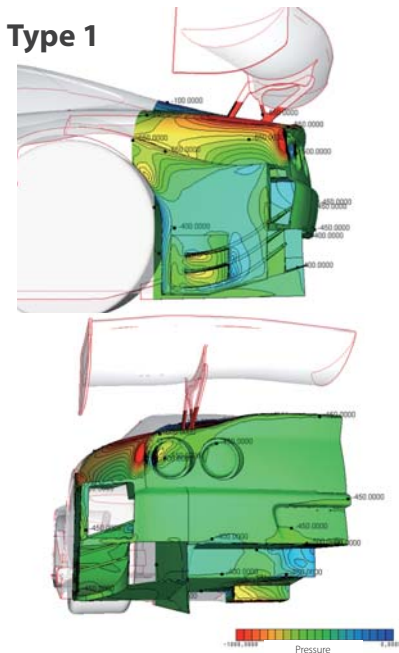
Effect of design change on aerodynamic characteristics of a car

## Rear Fender Shape – Analysis Cases –



## Pressure Distribution on the Body Surface

Red...Indicates large negative pressure



## Comparison of Cd Values

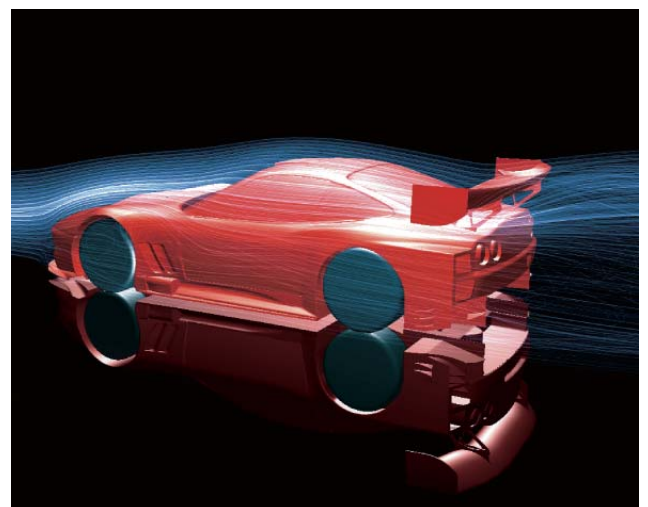
**Type 2 < Type 3 < Type 1** Low resistance ➔ Good gas mileage

Cd (drag coefficient) value:  
Air resistance coefficient against a moving car  
Smaller Cd can be obtained when there are fewer factors that disturb air flow.

## Comparison of Down Force at rear part

**Type 1 > Type 2 > Type 3**

**Comparison among the 3 types ▶ "Type2" is the best**



## Notes

Flow phenomena, which are difficult to be captured in experiments, can be evaluated in detail with numerical simulation and visualization.