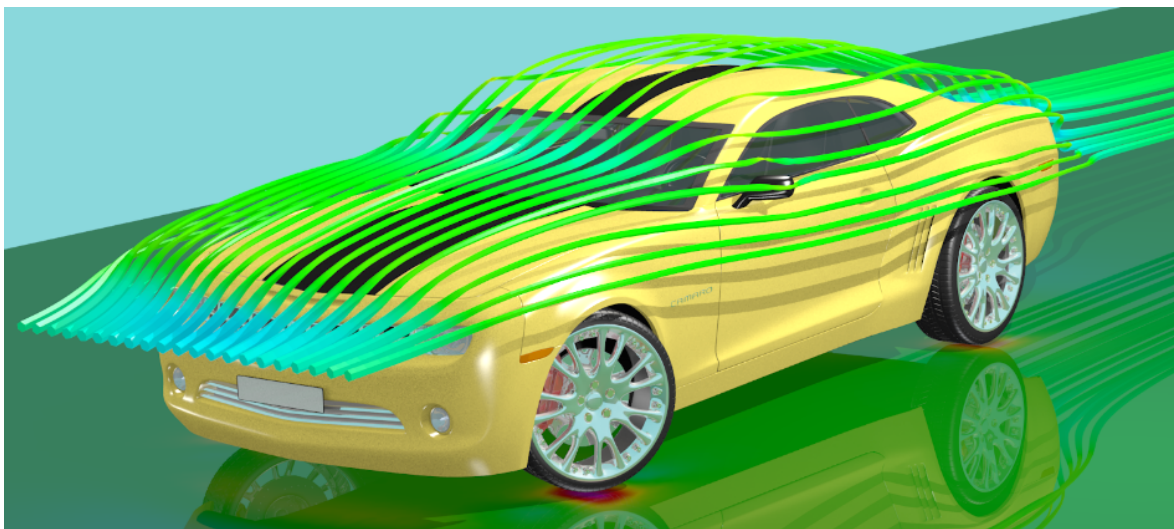


Shorter Time to Market with Realistic Simulation

Multiphysics in LS-DYNA

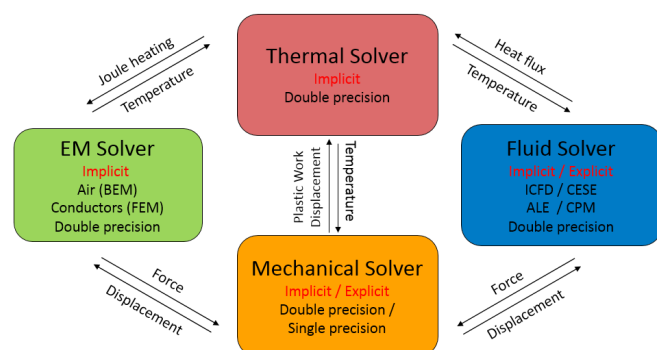
LS-DYNA is a highly advanced general purpose nonlinear Finite Element software capable of simulating complex multi physics problems. LS-DYNA is successfully developed focusing on the One Code Strategy, which allows the user to use the same FE software regardless of the nature of the simulation.



FSI (Fluid Structure Interaction) in LS-DYNA

Starting from release R7, a number of new solvers are implemented in LS-DYNA, allowing for establish advanced Fluid Structure Interaction (FSI) simulations. Both compressible and incompressible fluid dynamic solvers (CFD) are implemented, which may be run separately or coupled to the mechanical as well as thermal solver.

Both 2D and 3D problems are solved with outstanding performance and accuracy using the MPP (massive parallel processing) approach in LS-DYNA.



No extra modules or licenses are required – it is all included!