

1. Look for a commercial CFD software through the Internet such as Fluent, CFX, Fire, Kiva, Openfoam and etc.

Check the following capabilities about the selected software and describe some details about them.

- Method of solution(FVM, FDM, ...)
- Grid Types
- Turbulence models ( $\kappa\varepsilon$ ,  $\kappa\omega$  and...)
- Two-phase flow
- Compressible flow
- Moving mesh
- Porous medium
- Combustion
- etc.