Synopsis

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Development of Tree-node Management API for OpenFOAM GUI

This project aims to extend the OpenFOAM GUI software by creating an intermediate API. OpenFOAM[1] does not have an integrated GUI, but there are many third-party GUI software products. However, they are inadequately comprehensive for the OpenFOAM solution workflow. To achieve that, this project aims to make an API as an intermediate piece of software between OpenFOAM and the GUI software. The API will give the capability to write scripts on top of it and hence extend the GUI software. It also provides the freedom to use any GUI as the front end of the software.

References

[1] Hrvoje Jasak. "OpenFOAM: open source CFD in research and industry". In: *International Journal of Naval Architecture and Ocean Engineering* 1 (Dec. 2009), pp. 89–94. DOI: 10.3744/JNAOE.2009.1.2.089.