Jvala – our personal chemical kinetics simulator

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1   Requirements

- Jvala is a class outside everything else

- Jvala is inherited by every other feature class

- Different features are used to simulate specific configurations

- One example must be provided for every configuration

- User provides all information in a txt file $\implies$ We get a C++ main input file out of this

- Mechanism files – preprocess into a binary file

- The main C++ file and binary file are compiled within jvala

- The code will be documented in a professional way