

MOOSE

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MOOSE – Multiphysics Object Oriented Simulation Environment

- A framework for solving computational nuclear engineering problems in a well planned, managed, and coordinated way
 - *Leveraged across multiple programs*
- Designed to significantly reduce the expense and time required to develop new applications
- Designed to develop analysis tools
 - *Uses very robust solution methods*
 - *Designed to be easily extended and maintained*
 - *Efficient on both a few and many processors*
- Currently supports ~7 applications which are developed and used by ~20 scientists.

