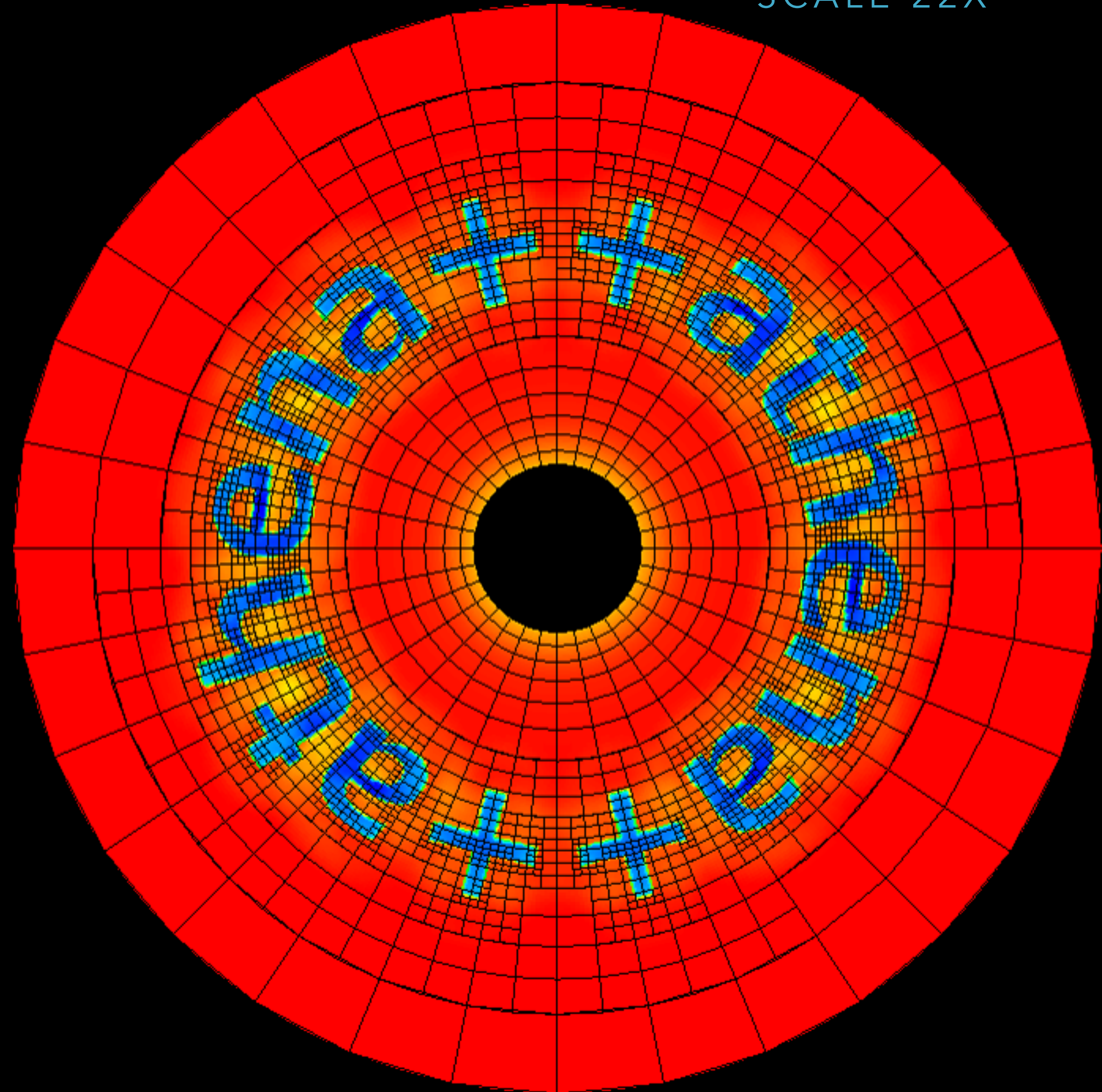
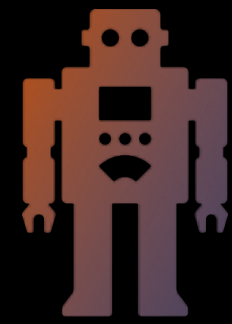


EXASCALE EFFICIENCY

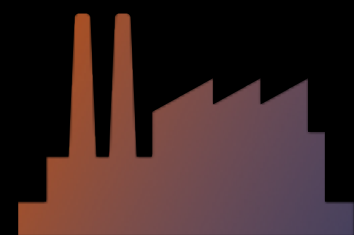
- Codes for efficient large-scale parallelism on modern architectures:
 - SPECTRE
(Next generation of SPEC)
 - Athena++
 - CarpetX (AMReX for Einstein Toolkit)



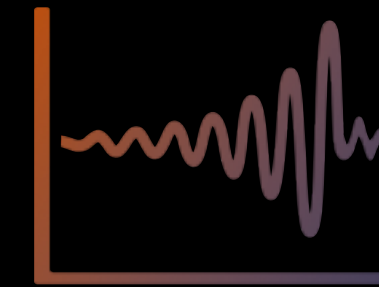
WORKFLOW AUTOMATION



- Code Generation
 - NRPy+
 - Krank (requires Mathematica license)



- Simulation Management
 - Simulation Factory
 - Jhuki



- Data Analysis & Visualization:
 - Kuibit
 - VisIt

➔ Reduce gruntwork & enshrine key techniques + best practices