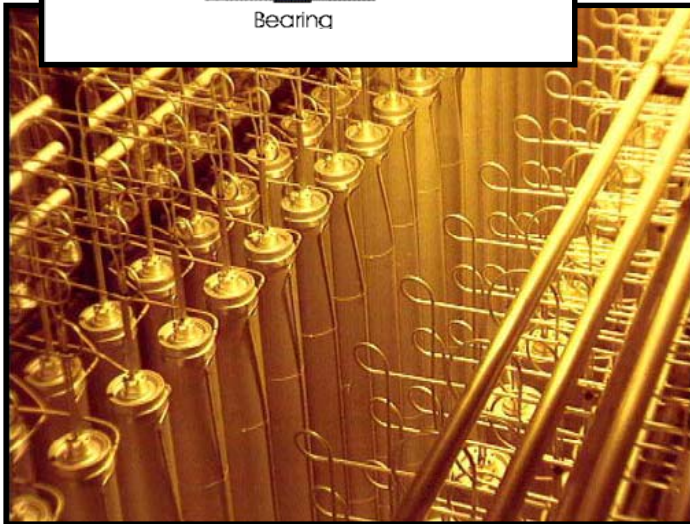
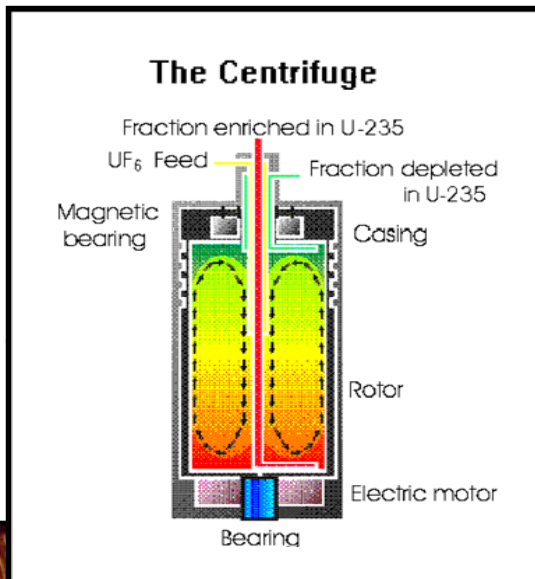


National Uranium Enrichment Modeling & Analysis Center

Modeling & Simulation Group



Problem Statement:

Support NA-22 researchers with state-of-the-art numerical tools for simulation of gas centrifuge uranium enrichment systems.

Technical Approach:

Archive legacy centrifuge codes & develop new NA-22 specific analysis tools for centrifuge CFD analysis, cascade analysis, & machine dynamics. Develop tools to improve NA-22 analyses for performance estimates, reverse engineering tasks, & forensic analyses. Conduct workshops with relevant user communities to direct the Center's operations.

Benefit:

State-of-the-art analysis tools are available to support NA-22 non-proliferation studies.