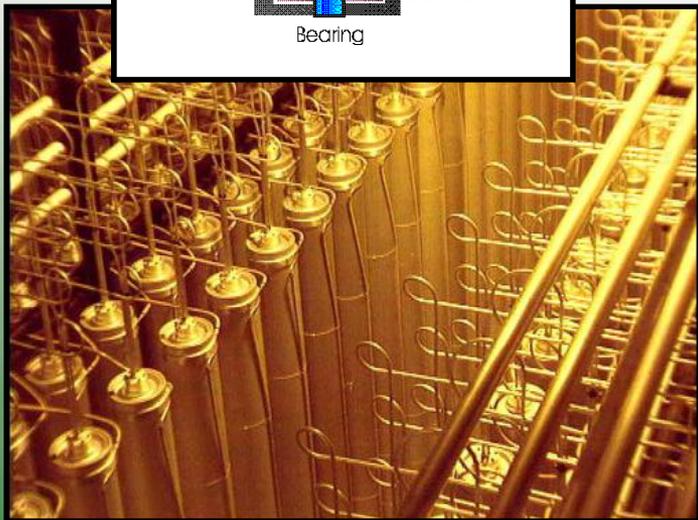
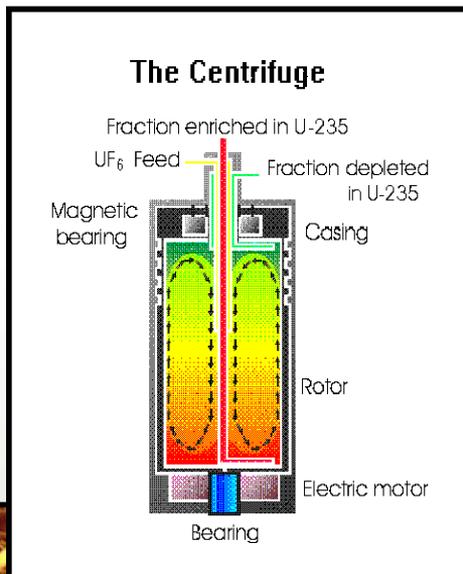


National Uranium Enrichment Modeling and Analysis Center

Modeling and Simulation Group

Computational Sciences & Engineering Division



Problem Statement:

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

Technical Approach:

- Archive & use 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 community to direct the Center's operations.

Benefit:

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

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