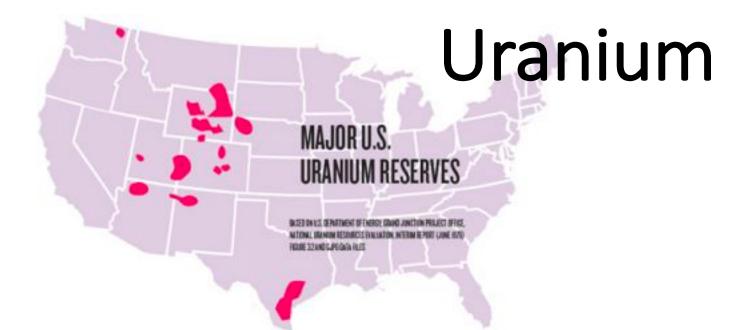
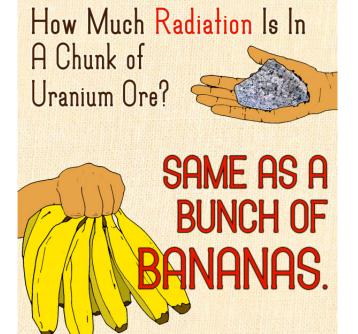
Nuclear Energy

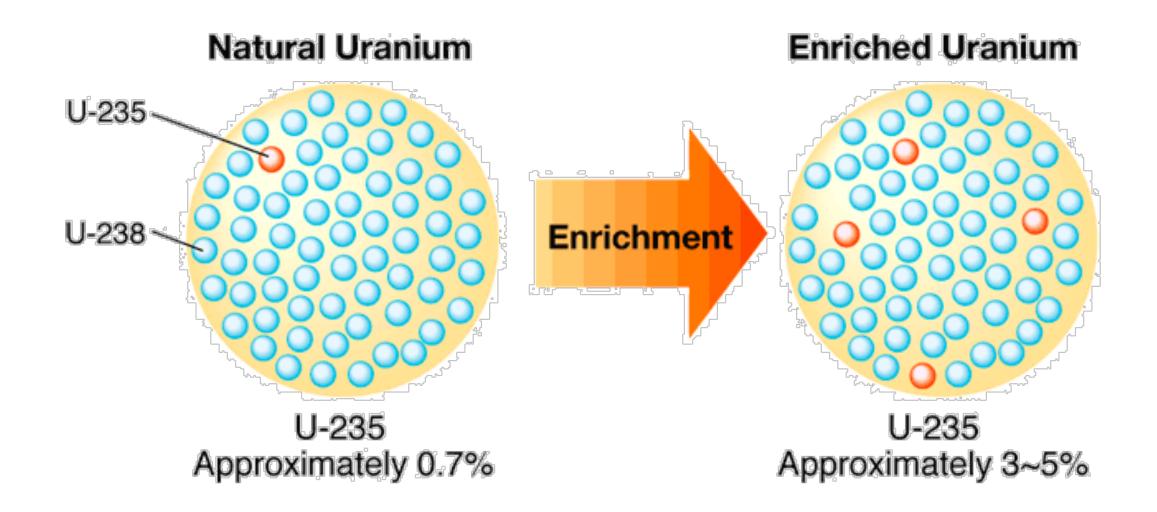
by Imane Khalil

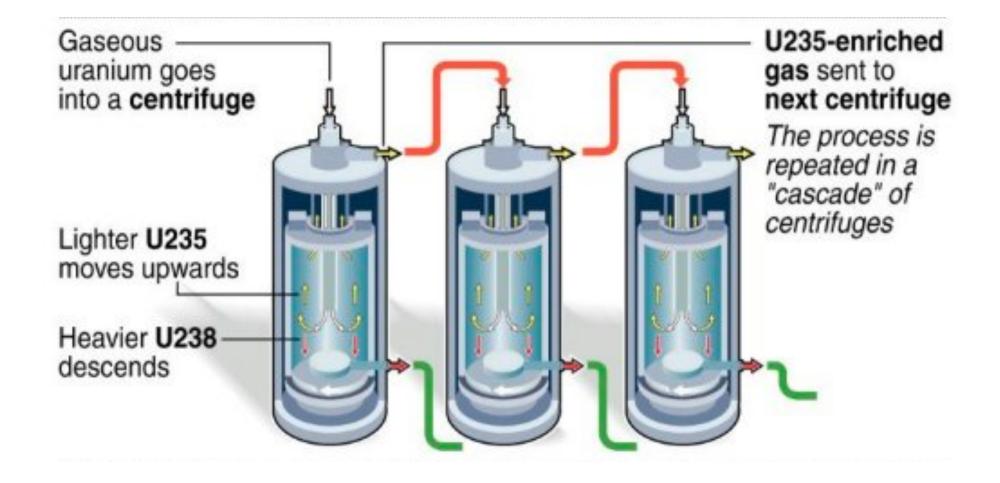


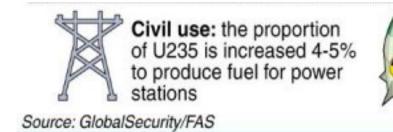


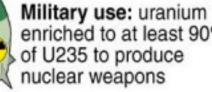






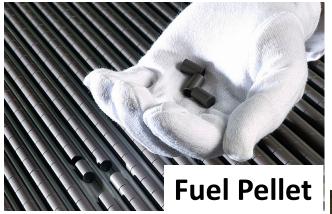






enriched to at least 90%

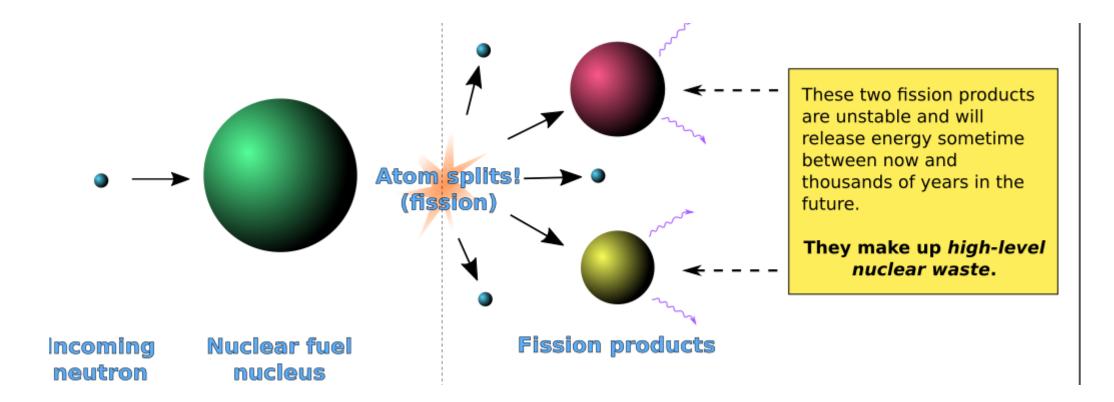
AFP

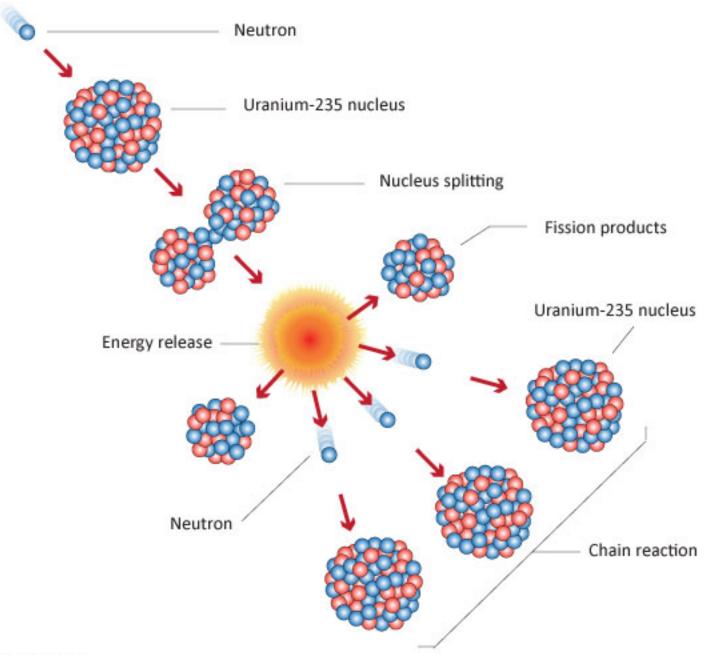


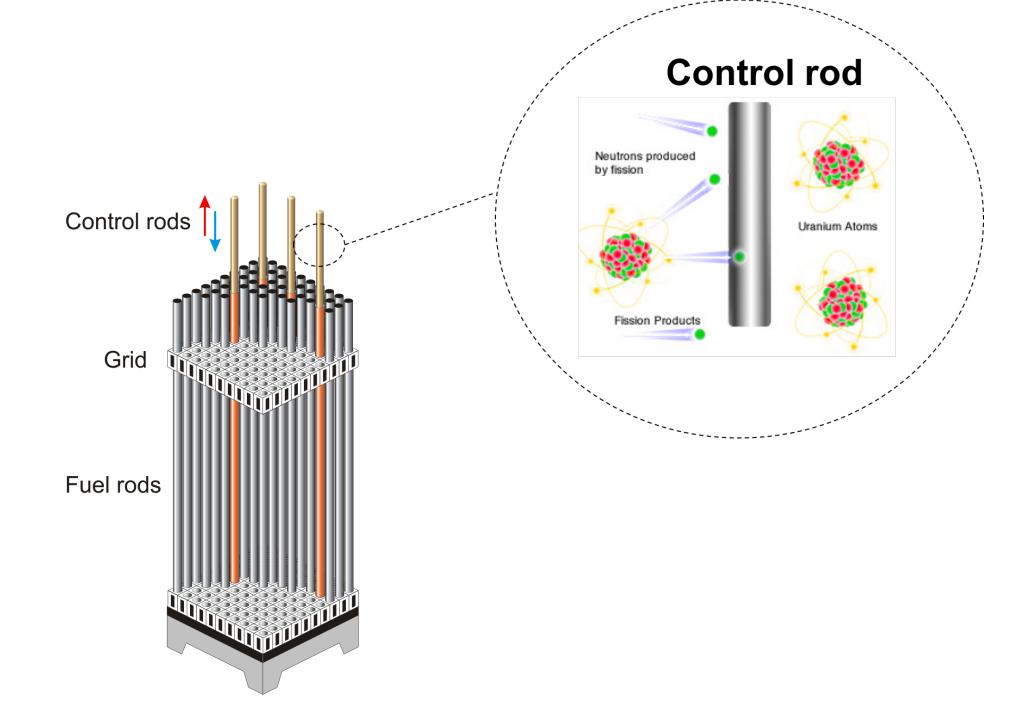


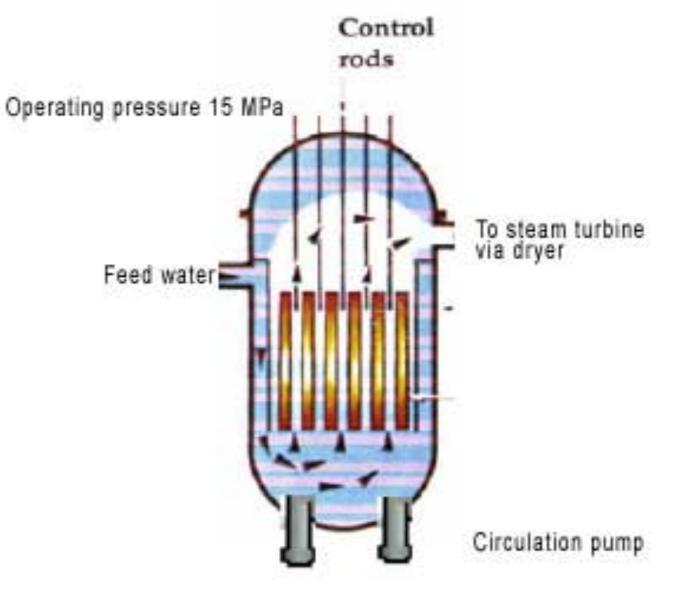


Fuel Assemblies

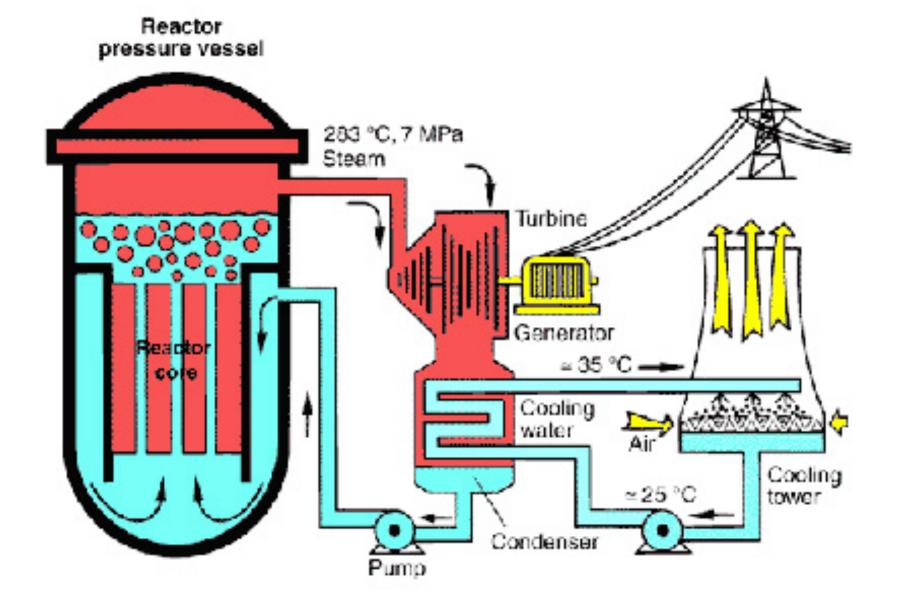








Boiling Water Reactor

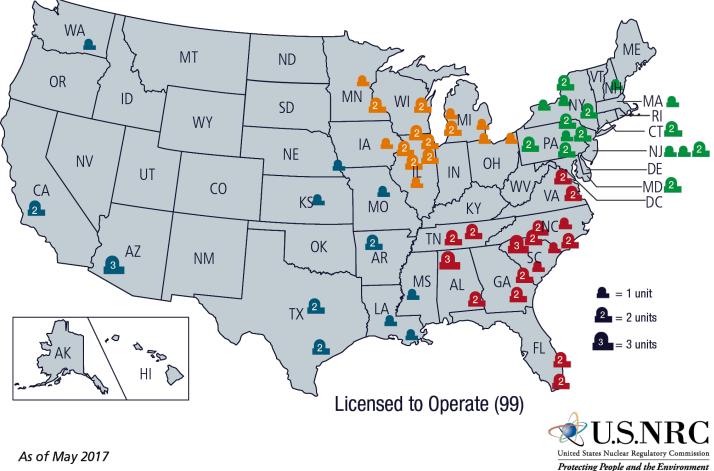




Argonne National Laboratory December 1951

14% of the world's electricity comes from nuclear power

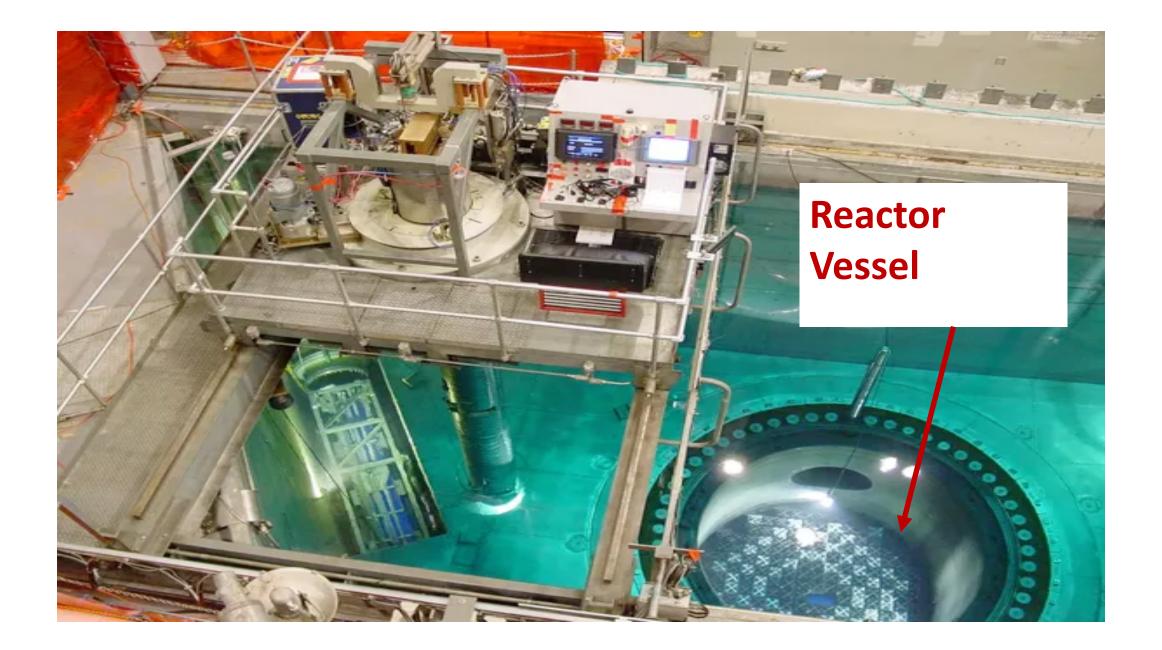
U.S. Operating Commercial Nuclear Power Reactors

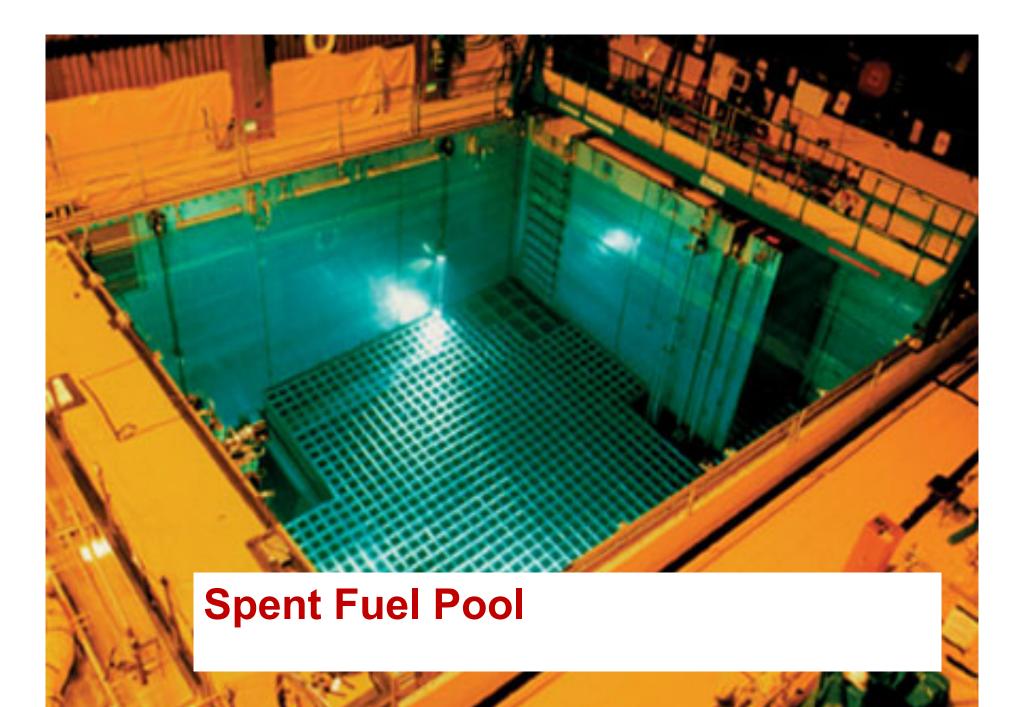


20% of the US electricity comes from nuclear power

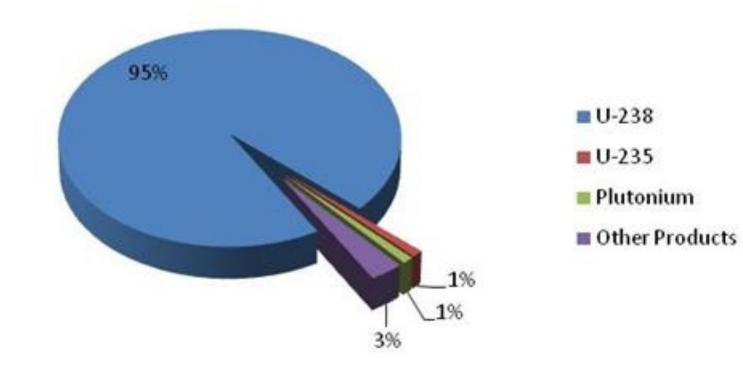






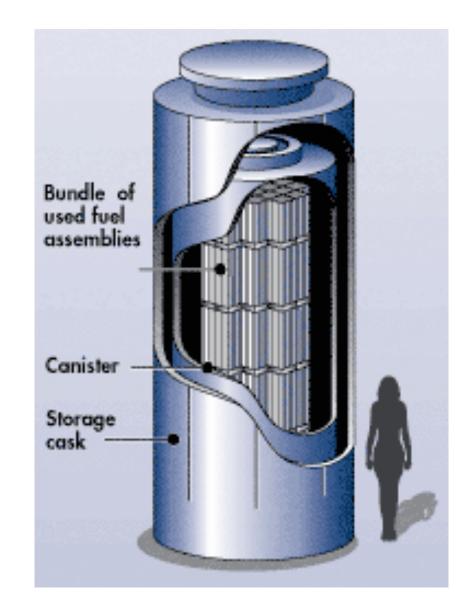


Spent Fuel Rod Components

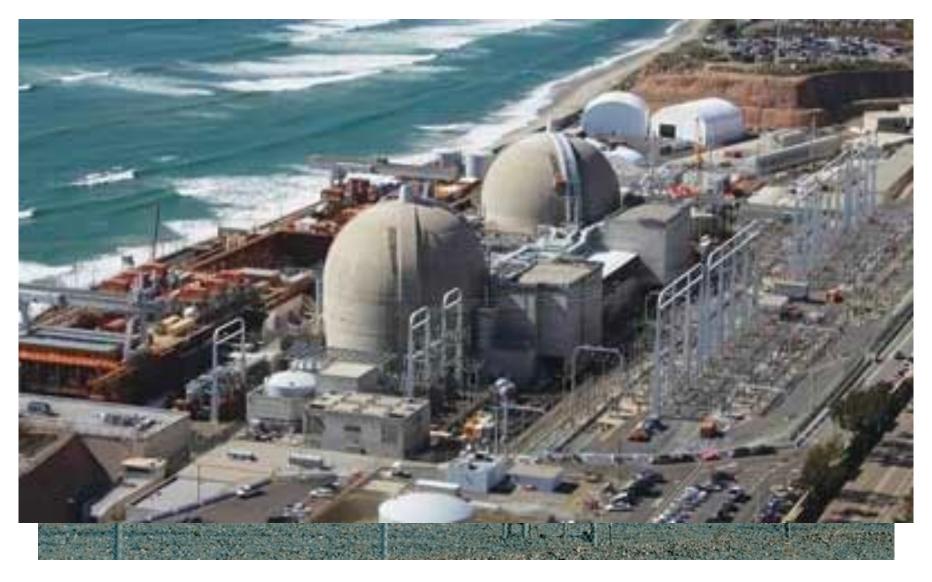




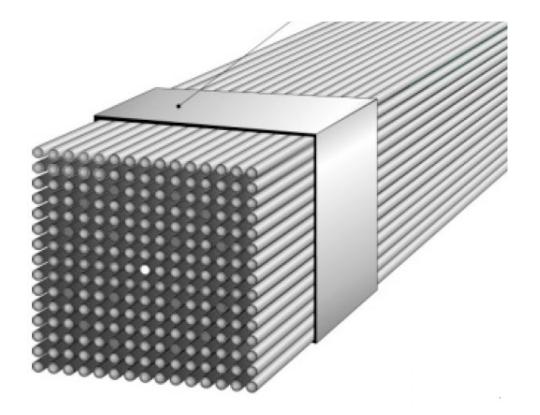
Dry Storage Casks

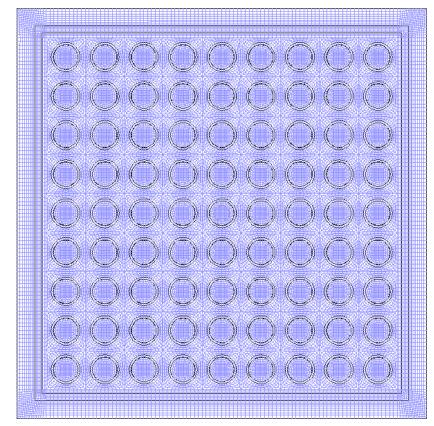


San Onofre



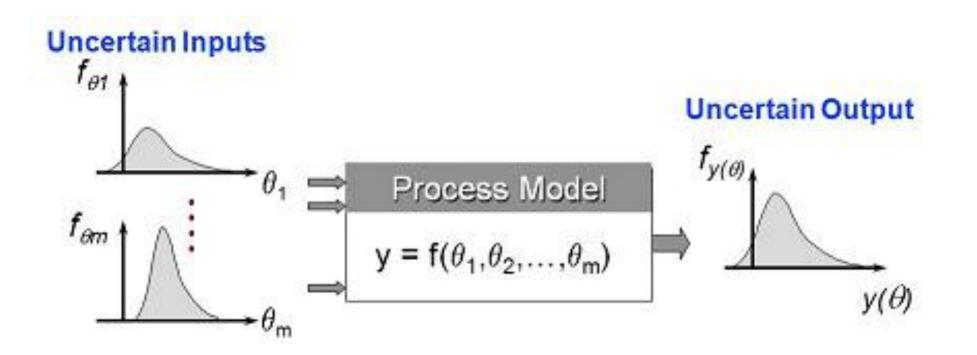


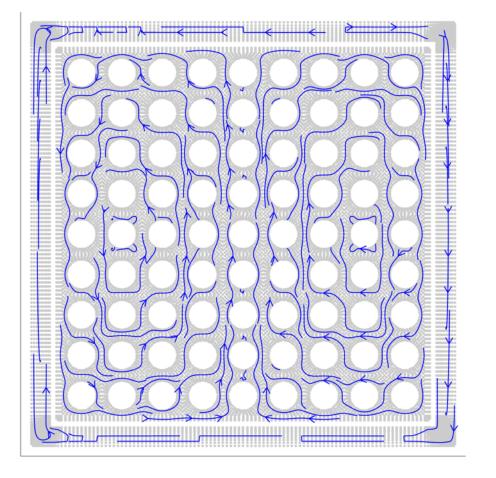


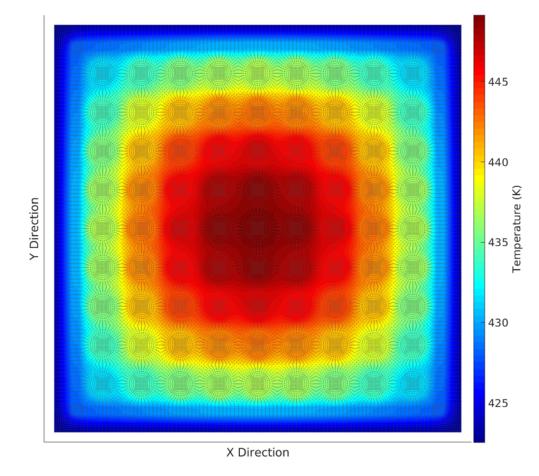


Two-Dimensional Model of Spent Fuel Assembly

Uncertainty Quantification







Average Velocity Distribution

Mean Temperature Distribution

Probability Density Function

