

Serpent-2 training course for beginners

19-22 November 2024
Nuclear Energy Agency, Paris, France

Tentative Agenda

Day 1	Tuesday, November 19, 2024
09:00 - 09:30	Arrival
09:30 - 09:45	Welcome and self-introduction
09:45 - 10:30	Introduction to Serpent and its capabilities
10:30 - 10:50	Coffee-break
10:50 - 12:00	Input syntax, nuclear data, material definitions
12:00 - 13:00	Lunch
13:00 - 13:50	Basic geometry and plotting
13:50 - 14:40	Criticality calculations
14:40 - 15:00	Coffee-break
15:00 - 16:00	Practice session
Day 2	Wednesday, November 20, 2024
09:00 - 09:50	Advanced geometry
09:50 - 10:30	Advanced geometry
10:30 - 10:50	Coffee-break
10:50 - 12:00	Detectors and mesh detectors
12:00 - 13:00	Lunch
13:00 - 13:50	Post-processing and analysis
13:50 - 14:40	Tips & Tricks
14:40 - 15:00	Coffee-break
15:00 - 16:00	Practice session
Day 3	Thursday, November 21, 2024
09:00 - 09:50	Multi-group cross section generation
09:50 - 10:30	Multi-group cross section generation
10:30 - 10:50	Coffee-break
10:50 - 12:00	Burnup and decay calculations
12:00 - 13:00	Lunch
13:00 - 13:50	Burnup and decay calculations
13:50 - 14:40	Practice session
14:40 - 15:00	Coffee-break
15:00 - 16:00	Practice session
Day 4	Friday, November 22, 2024
09:00 - 09:50	Final assignment
09:50 - 10:30	Final assignment
10:30 - 10:50	Coffee-break
10:50 - 11:30	Final assignment
11:30 - 12:00	Wrap-up and course conclusion
12:00 - 13:00	Lunch