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Quiz 9
NPRE 247

- 1) M fuel: 18.698 kg
- 2) A thermal neutron is a neutron which has already been slowed down from the time it was born to now interact and be absorbed by Uranium atoms without hitting a resonance speed.
- 3) A Maxwell distribution can be seen

Code

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In [1]: | from sympy import * import numpy as np
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1 1. Last week, the IAEA notified member states that 2.5 tonnes of uranium ore were missing from a site in Libya. Assuming this ore has natural abundances of U isotopes and is comprised of pure UO2, how much uranium oxide enriched to a mass to 95% 235U could this stockpile produce?