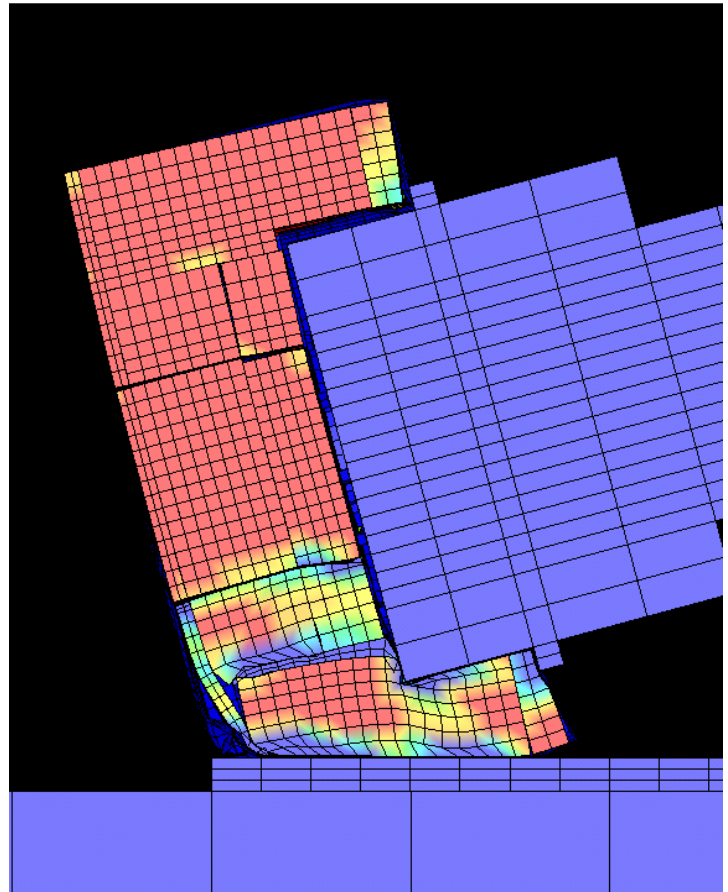
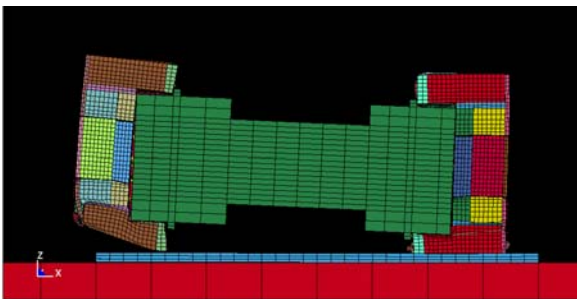
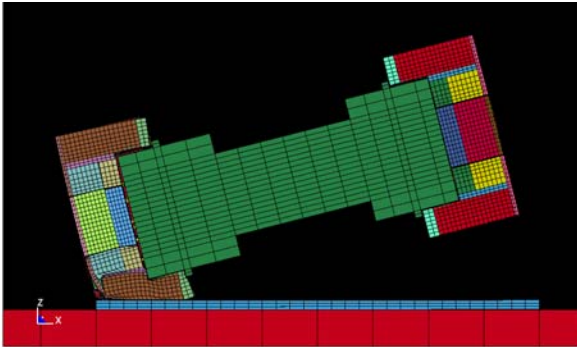
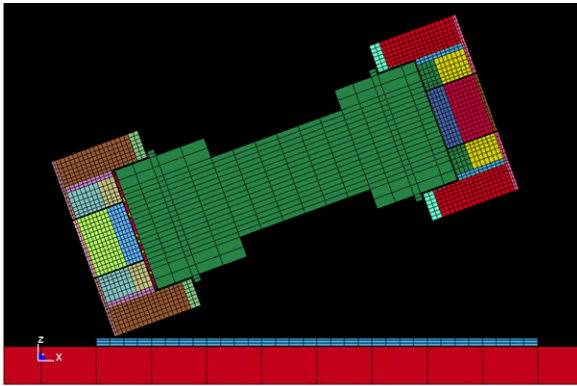


Project:

Nuclear Fuel Transfer Cask Accidental Drop Analysis



Challenge:

To analyze the forces experienced by a nuclear fuel transfer cask during an accidental drop using newly designed impact limiters. Impact limiters are designed to attach to the fuel transfer cask during transportation to minimize shock loads under accident conditions.

Resolution:

Our engineering team created a finite element model of the fuel transfer cask and impact limiters in order to perform an explicit dynamic analysis. The results obtained agreed closely with benchmark values.