

Earthquake and Aircraft Crash Analysis of a Spherical Steel Containment with Locks

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The containment of a KWU standard PWR plant is a freestanding steel vessel, the lower part of which rests on a concrete base. The high-level earthquake loads recently specified have not led to significant changes in design but only to a refined dynamic and stability analysis. The experience gained now enables us to make simplifications in the analysis. Some of these are presented in this paper.