

7.2 Multiphase Flows in Nuclear Accidents

Attention is now switched to nuclear accidents and the safety systems designed and installed to mitigate the consequences of those accidents. Safety concerns are naturally critical to the public acceptance of nuclear power plants and it is appropriate to review the systems that have been developed and improved to address those concerns. The three major accidents to date, Three Mile Island, Chernobyl and Fukushima are briefly described and the lessons learned from those and other lesser accidents are emphasized since they have led to substantial improvement of the world's nuclear power stations.