

석유화학 공장에서의 가상 사고 시나리오 생성 모델

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Abstract

This paper presents an approach for modeling of the generation of a set of credible accident scenarios for a petrochemical plant, which will be used to perform quantitative hazard assessments such as the consequence assessment, FTA or ETA. This approach is carried out in ways of identifying, classifying a set of major components and elements for scenarios generation by analysis of the informations on various actual accidents, and thus setting priorities of both factors of likelihood and consequence on each component or element identified.