



ASQ CRE Prep course

Lesson IV. A. 3.

Physics of Failure Models



Based on a lot of research and experiments

PHYSICS OF FAILURE MODELS

Physics of Failure

A methodology to identify, study, and understand the physical processes and mechanisms for a specific class of failures

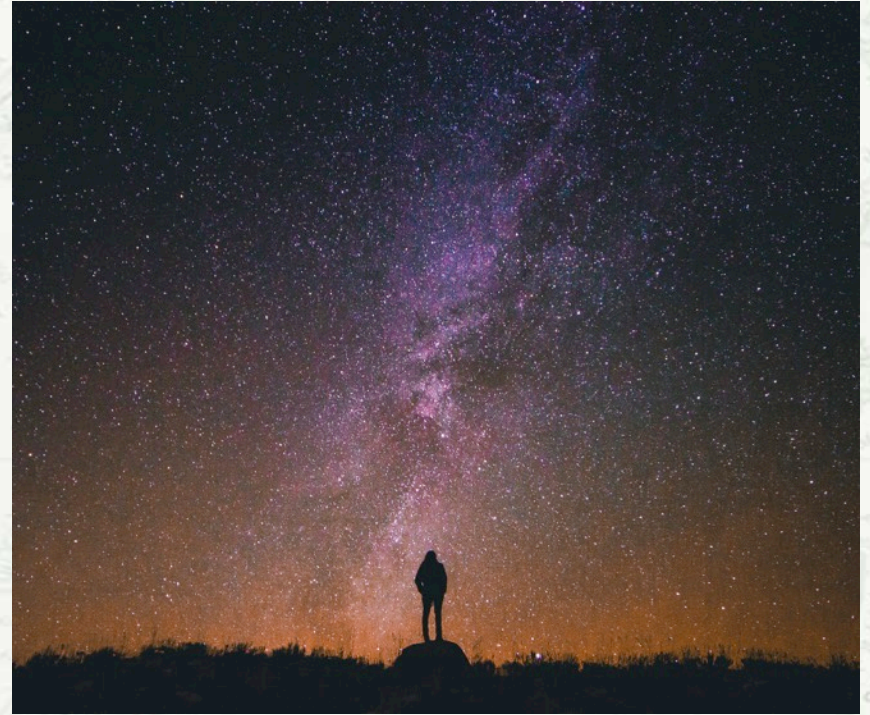
Benefits

- **Design out failure mechanisms**
- **Meet customer expectations**
- **Improve field reliability**
- **Employ prognostics**
- **Reduce support burden**
- **Design in reliability**
- **Improve manufacturing yield**

Models make the difference

RiAC WARP site

Technical Literature



Are you building
PoF models?



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Simulation Techniques

Markov Models