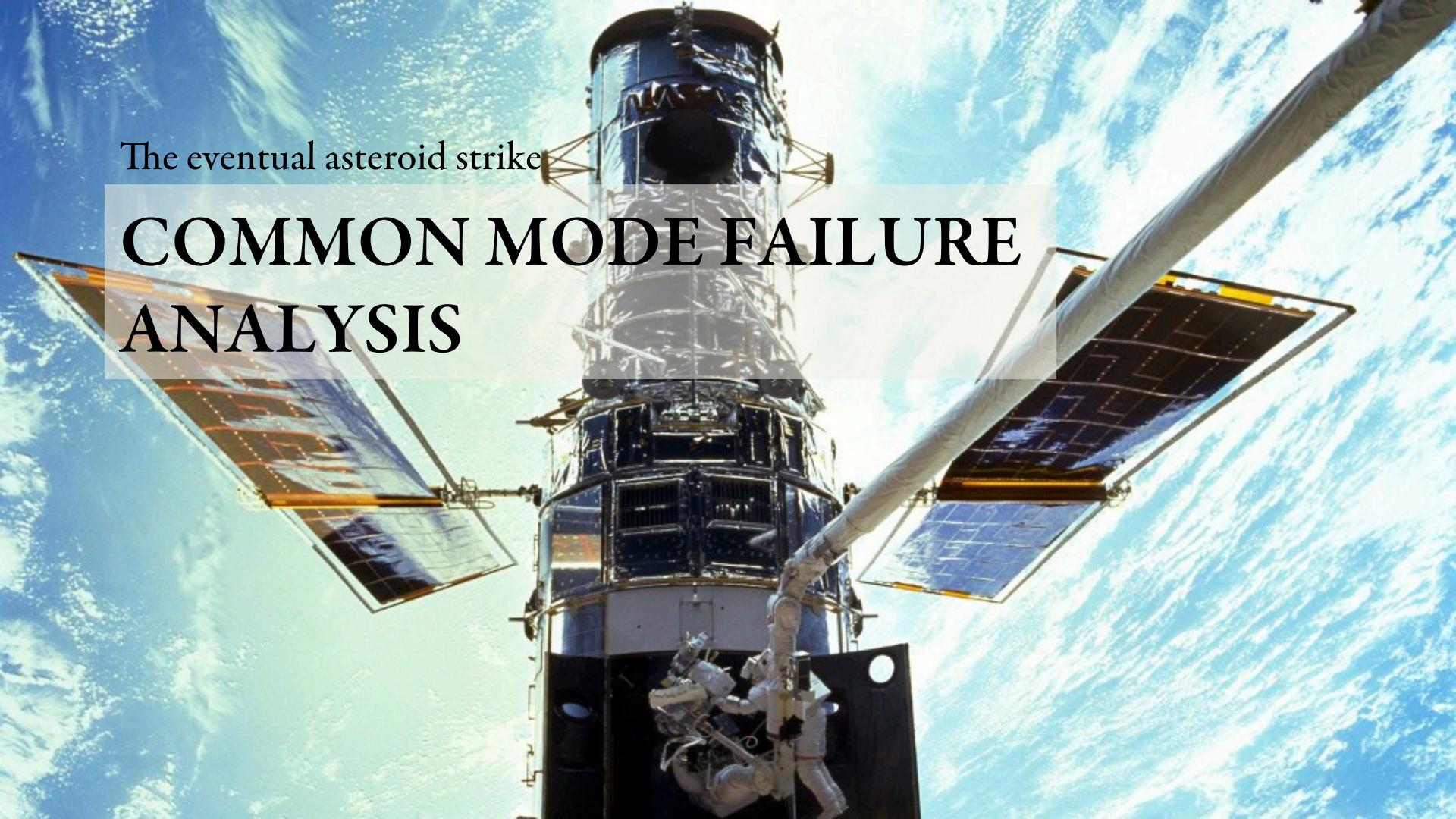




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Common Mode Failure
Analysis

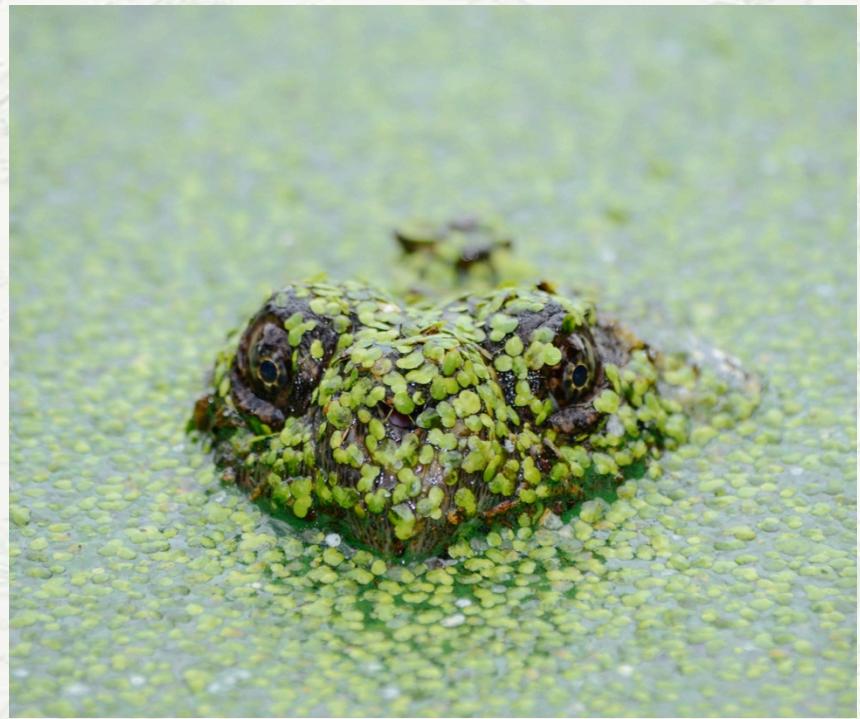


The eventual asteroid strike

COMMON MODE FAILURE ANALYSIS

Common mode or cause

**When failure results
when events in a
system are not
statistically
independent.**



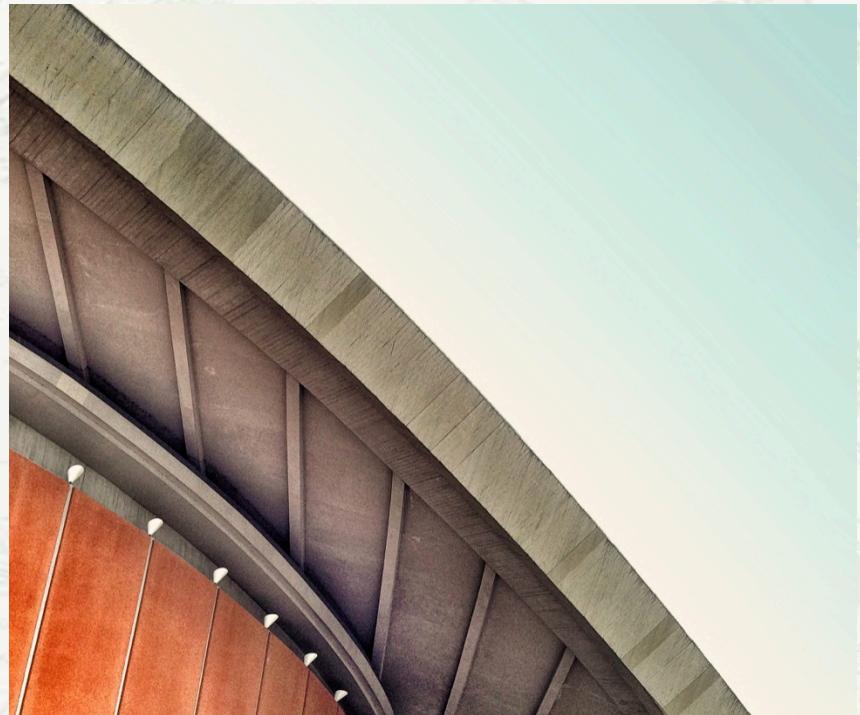
Examples

**Propagated mistake
into other systems**

**Incorrect maintenance
instructions**

Common power source

**Common software on
redundant systems**



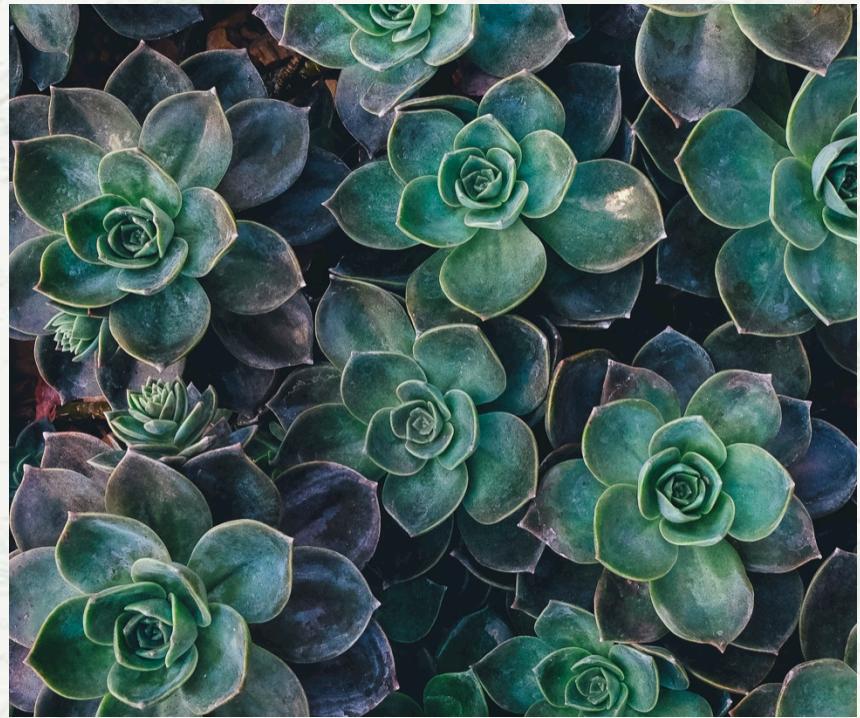
Enabling Events

**Warning system
disabled (maint. work)**

False warning override

Procedural errors

Standby not available



Probabilistic Risk Analysis



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Fault Tree Analysis (FTA) &
Success Tree Analysis (STA)