

# Fault Tolerant Control Systems (FTCS)

```
graph TD; FTCS[Fault Tolerant Control Systems (FTCS)] -.-> Active[Active]; FTCS -.-> Passive[Passive]; subgraph Active_Detail [Active]; FDD[Fault Detection & Diagnosis (FDD)]; AC[Adaptive Control]; FDD --- Plus[+]; Plus --- AC; end; subgraph FDD_Detail [FDD]; MB[Model Based]; DD[Data Driven]; MB --- DD; end; subgraph Passive_Detail [Passive]; RCD[Robust Controller Design]; end; style DD fill:#f0e6ff,stroke:#333,stroke-width:1px;
```

Active

Passive

Fault Detection  
& Diagnosis  
(FDD)

Model Based

Data Driven

+

Adaptive  
Control

Robust  
Controller  
Design