

# System Report: Franka Emika Panda

## System Failure Probability:

1.08E-04

## Components:

Component: Joint\_1

Failure Probability: 3.58E-08

Component: Joint\_2

Failure Probability: 3.58E-08

Component: Joint\_3

Failure Probability: 3.58E-08

Component: Joint\_4

Failure Probability: 3.58E-08

Component: Joint\_5

Failure Probability: 3.58E-08

Component: Joint\_6

Failure Probability: 3.58E-08

Component: Joint\_7

Failure Probability: 3.58E-08

Component: Controller

Failure Probability: 2.17E-10

Component: Power\_Supply

Failure Probability: 6.67E-08

Component: Gripper

Failure Probability: 7.34E-08

Component: Camera

Failure Probability: 1.03E-09

Component: Sensors

Failure Probability: 5.92E-08

### **Skills:**

Skill: object\_detection

Failure Probability: 6.64E-07

Skill: move

Failure Probability: 6.63E-07

Skill: pick

Failure Probability: 2.63E-06

Skill: carry

Failure Probability: 1.17E-06

Skill: pour

Failure Probability: 1.38E-06

Skill: place

Failure Probability: 2.13E-06

Skill: reset

Failure Probability: 2.20E-06

# System failure probability

