## **Prompt:**

How can I perform IR drop analysis on the M1 layer where the pins are located?

```
Response:
from openroad import Tech, Design
import openroad as ord
tech = Tech()
# Make sure you have files read into OpenROAD DB
design = Design(tech)
design.readDb("xxx.odb")
# Static IR drop Analysis
psm_obj = design.getPDNSim()
VDD_Net = design.getBlock().findNet("VDD")
psm obj.setNet(VDD_Net)
design.evalTclString(f"psm::set_corner [sta::cmd_corner]")
psm_obj.analyzePowerGrid('', False, '', '')
layer_M1 = tech.getDB().getTech().findLayer("M1")
drops = psm_obj.getIRDropForLayer(layer_M1)
```