

DeckBuild - 5.0.10.R - C:/Users/sambh/OneDrive/Desktop/Simulation_Gain_Dual_Junction_Solar_Cell - gainp_dual_junction.txt

File Edit View Run Tools Commands Help

Deck

```
tonyplot GainPSJ.log
tonyplot solarex03_1.log

bl=1

log off

outf=EQEGaInP.log
solve bl=1 beam=1 lambda=0.10 wstep=0.025 wfinal=0.9

extract init inf="EQEGaInP.log"
extract name="EQE" curve(select."optical wavelength", \
    abs(i."cathode")/(elect."source photo current")) outf="EQEGaInP.dat"

extract name="IQE" curve(select."optical wavelength", \
    abs(i."cathode")/(elect."Available photo current")) outf="IQEGaInP.dat"

tonyplot EQEGaInP.dat
tonyplot IQEGaInP.dat
tonyplot EQEGaInP.log

quit
```

Variables history

Variable	Value	Index
Jsc	2.064002338e-10	(# 107)
JscmAc2	20.64	(# 108)
Voc	2.43654639974617	(# 109)
Pm	4.47015199232e-10	(# 110)
Vm	2.24000092131477	(# 111)
Im	1.99560267857143e-10	(# 112)
FF	88.8867599202647	(# 113)
Opt_int	0.1380488586	(# 114)
Eff	32.3808937406283	(# 115)

Outputs

Filter: *.str, *.log Default Filter

- solarex03_0.str
- solarex03_1.log
- solarex03_15.log
- GainP_SJSC.str
- inp.str
- GainPSJ.log

Resource usage

Memory	IO read	IO write
691.0 MB	0 bvtas/s	0 bvtas/s

Output ☒ Scroll to bottom

Line: 109 Column: 68 Monitor string triggered at line 122. Simulator stopped

Size of generated files : 488.4 KB Free space : 119.8 GB

DeckBuild 5.0.10.R Copyright © 1984 - 2025 silvaco

Variables history

JscmAc2	20.64	(# 108)
Voc	2.43654639974617	(# 109)
Pm	4.47015199232e-10	(# 110)
Vm	2.24000092131477	(# 111)
Im	1.99560267857143e-10	(# 112)
FF	88.8867599202647	(# 113)
Opt_int	0.1380488586	(# 114)
Eff	32.3808937406283	(# 115)



