

pglib\_opf\_case3\_1mbd: Optimality gap  $100 \times \left| \frac{f_{nl}^* - f_{socp}^*}{f_{nl}^*} \right| = 6.467\%$ , *nl*-MATPOWER (MIPS), *socp*-IPOPT

Status message: b'Algorithm terminated successfully at a locally optimal point, satisfying the convergence tolerances (can be specified by options).'

