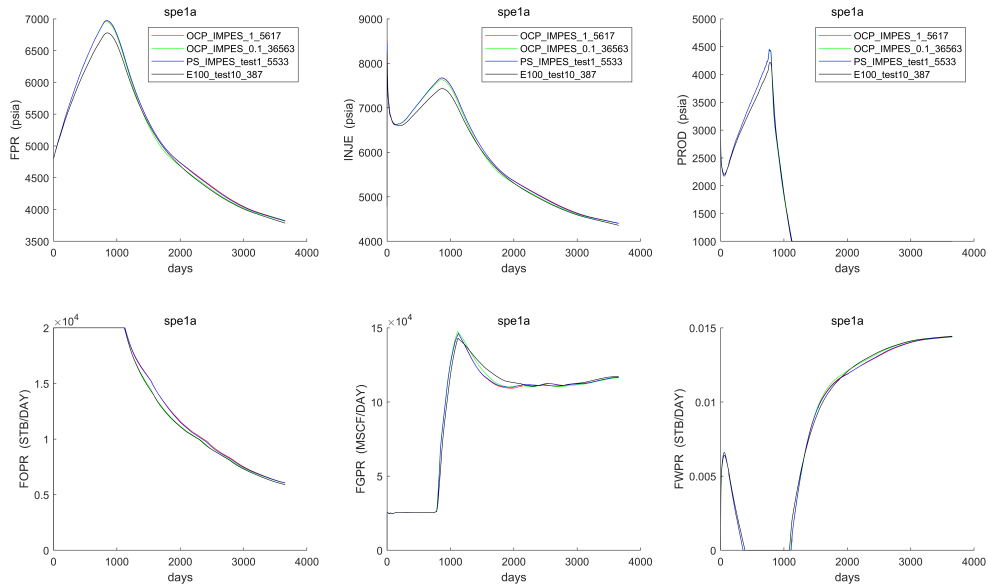


SPE1A



PS_IMPES_1

Final time: 3655.5 Days
Total time steps: 5533
Total nonlin steps: 5533
Total linear steps: 8828
Linear solver time: 0.932773s
Simulation time: 2.44659s

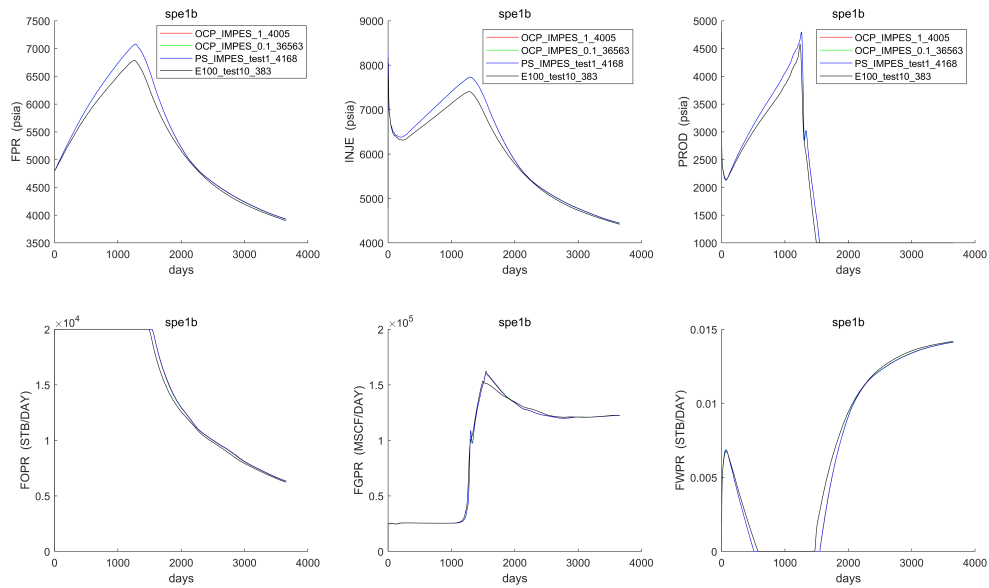
OCP_IMPES_1

Final time: 3655.500 Days
Total time steps: 5617
Simulation time: 1.871s
Total linear steps: 21130
Linear solve time: 1.303s (69.620%)

OCP_IMPES_0.1

Final time: 3655.500 Days
Total time steps: 36563
Simulation time: 10.286s
Total linear steps: 109617
Linear solve time: 6.631s (64.462%)

SPE1B



PS_IMPES_1

Final time: 3655.5 Days
Total time steps: 4168
Total nonlin steps: 4168
Total linear steps: 7601
Linear solver time: 0.824397s
simulation time: 1.99241s

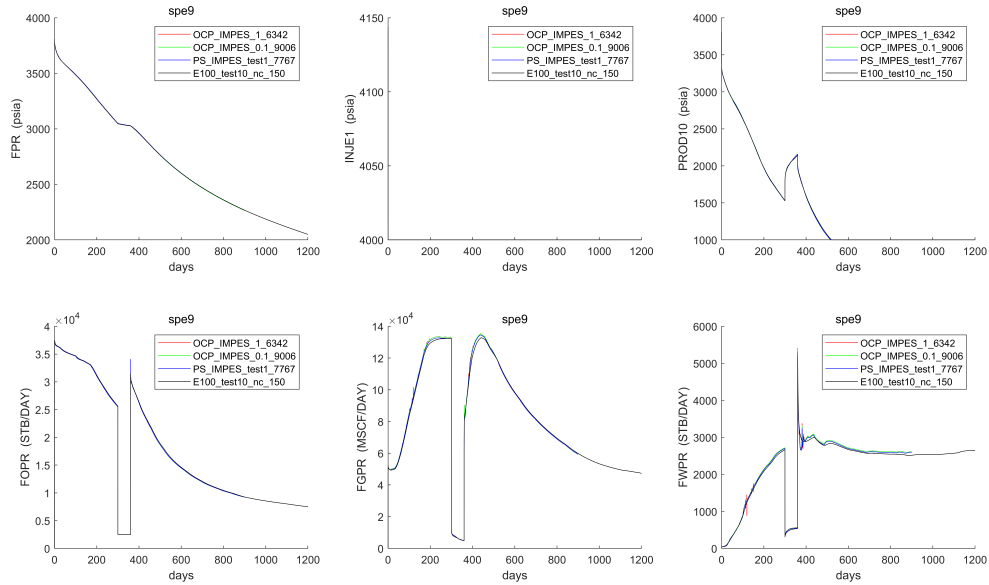
OCP_IMPES_1

Final time: 3655.500 Days
Total time steps: 4005
simulation time: 1.389s
Total linear steps: 15771
Linear solve time: 0.988s (71.098%)

OCP_IMPES_0.1

Final time: 3655.500 Days
Total time steps: 36563
simulation time: 9.391s
Total linear steps: 109444
Linear solve time: 5.874s (62.545%)

SPE9



PS_IMPES_1

Final time: 900 Days
 Total time steps: 7767
 Total nonlin steps: 7767
 Total linear steps: 12465
 Linear solver time: 57.9099s
 Simulation time: 276.62s

OCP_IMPES_1

Final time: 900.000 Days
 Total time steps: 6342
 Simulation time: 94.291s
 Total linear steps: 24623
 Linear solve time: 67.113s (71.177%)

OCP_IMPES_0.1

Final time: 900.000 Days
 Total time steps: 9006
 Simulation time: 122.490s
 Total linear steps: 32164
 Linear solve time: 85.190s (69.549%)