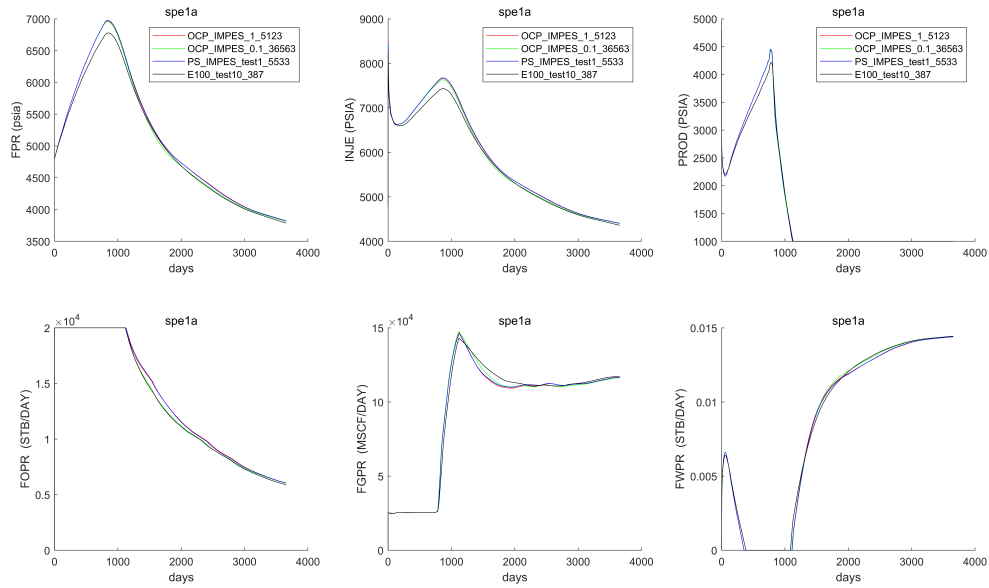


SPE1A



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: 5123
 Simulation time: 1.385s
 Total linear steps: 8300
 Linear solve time: 0.839s (60.582%)

OCP_IMPES_0.1

Final time: 3655.500 Days
 Total time steps: 36563
 Simulation time: 8.043s
 Total linear steps: 36621
 Linear solve time: 4.380s (54.456%)

PS_FIM_10

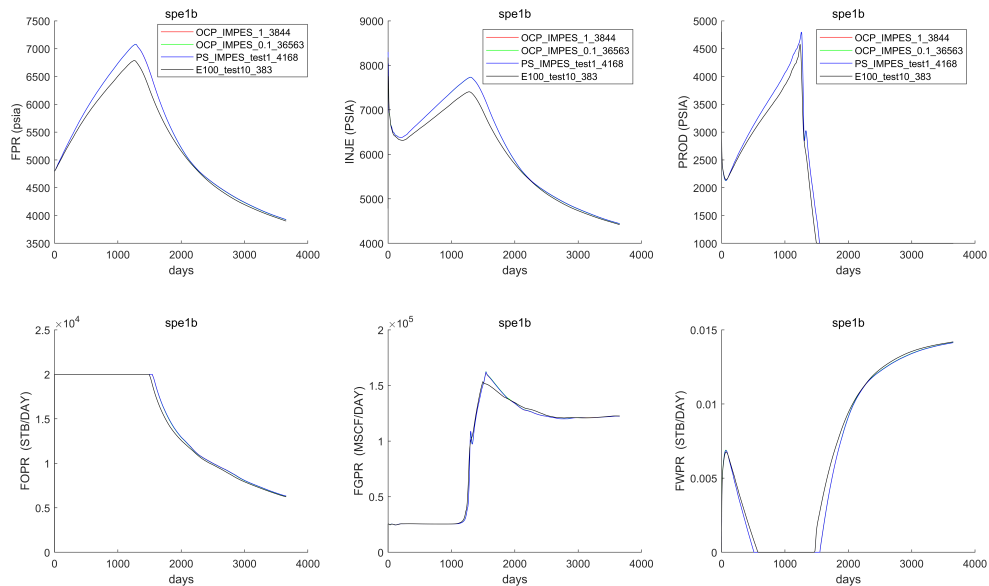
Final time: 3655.5 Days
 Total time steps: 420
 Total Newton steps: 434

wasted Newton steps: 1
Total linear steps: 1235
Linear solver time: 3.62965s
simulation time: 4.08421s

OCP_FIM_10

Final time: 3655.500 Days
Total time steps: 476
Total Newton steps: 533
simulation time: 5.834s
Total linear steps: 1517
Linear solve time: 5.350s (91.717%)

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: 3844
simulation time: 1.064s
Total linear steps: 7218

Linear solve time: 0.664s (62.400%)

OCP_IMPES_0.1

Final time: 3655.500 Days
Total time steps: 36563
Simulation time: 7.516s
Total linear steps: 36621
Linear solve time: 3.914s (52.078%)

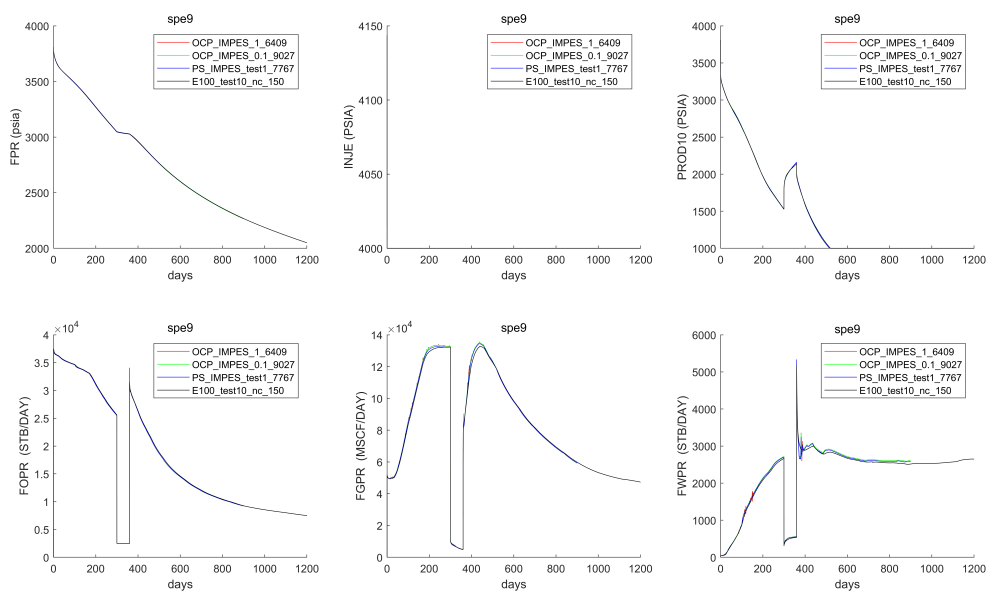
PS_FIM_10

Final time: 3655.5 Days
Total time steps: 420
Total Newton steps: 437
Wasted Newton steps: 1
Total linear steps: 1212
Linear solver time: 2.6363s
Simulation time: 3.08908s

OCP_FIM_10

Final time: 3655.500 Days
Total time steps: 476
Total Newton steps: 533
Simulation time: 5.796s
Total linear steps: 1517
Linear solve time: 5.328s (91.923%)

SPE9



PS_IMEPS_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: 6409
Simulation time: 77.619s
Total linear steps: 9057
Linear solve time: 50.178s (64.647%)

OCP_IMPES_0.1

Final time: 900.000 Days
Total time steps: 9027
Simulation time: 101.900s
Total linear steps: 11555
Linear solve time: 63.668s (62.481%)

PS_FIM_10

Final time: 900 Days
Total time steps: 157
Total Newton steps: 216
Wasted Newton steps: 53
Total linear steps: 1061
Linear solver time: 12.3944s
Simulation time: 27.515s

OCP_FIM_10

Final time: 900.000 Days
Total time steps: 263
Total Newton steps: 447
Simulation time: 30.280s
Total linear steps: 1594
Linear solve time: 19.441s (64.204%)