old

ite 10 at time 90s I=5A CVed in 11ite 2.5037s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46059081728 PreNewt=2.4096s MatInv t=0.069086s PostNewt t=0.000566

updt dtso=0.038404s Calc Jac=2.2263s Calc f=0.11547s Calc gJacg=0.012825s assemble=0.016315

jacdiag=0.88969s jacce=0.33143s jacpe=0.34123s jacps=0.31813s jaccsn=0.1758s jaccsp=0.16942s jaccedce=0.12764

new ce

ite 10 at time 90s I=5A CVed in 11ite 2.4588s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46063902720 PreNewt=2.3622s MatInv t=0.069651s PostNewt t=0.0005833

updt dtso=0.039484s Calc Jac=2.1726s Calc f=0.11902s Calc gJacg=0.013616s assemble=0.017108

jacdiag=0.82322s jacce=0.33112s jacpe=0.34742s jacps=0.32092s jaccsn=0.17698s jaccsp=0.1723s jaccedce=0.047045

new ce and cedpe

ite 10 at time 90s I=5A CVed in 11ite 2.1591s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46053793792 PreNewt=2.0752s MatInv t=0.060383s PostNewt t=0.0005967

updt dtso=0.035427s Calc Jac=1.9034s Calc f=0.11064s Calc gJacg=0.010193s assemble=0.015261

jacdiag=0.74478s jacce=0.23294s jacpe=0.3192s jacps=0.29421s jaccsn=0.15531s jaccsp=0.15668s jaccedce=0.042853

new ce and cedpe and cedps

ite 10 at time 90s I=5A CVed in 11ite 2.1894s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46052712448 PreNewt=2.0971s MatInv t=0.063561s PostNewt t=0.0005898

updt dtso=0.038732s Calc Jac=1.9152s Calc f=0.11414s Calc gJacg=0.011568s assemble=0.017114

jacdiag=0.77811s jacce=0.17477s jacpe=0.33047s jacps=0.30559s jaccsn=0.1639s jaccsp=0.16197s jaccedce=0.043929

new all ce

ite 10 at time 90s I=5A CVed in 11ite 2.0162s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46051102720 PreNewt=1.9319s MatInv t=0.060518s PostNewt t=0.000609

updt dtso=0.035849s Calc Jac=1.7625s Calc f=0.10769s Calc gJacg=0.010375s assemble=0.015323

jacdiag=0.74967s jacce=0.099213s jacpe=0.31663s jacps=0.29066s jaccsn=0.15353s jaccsp=0.15245s jaccedce=0.042425

new all ce all cs

ite 10 at time 90s I=5A CVed in 11ite 1.7626s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46282186752 PreNewt=1.677s MatInv t=0.062302s PostNewt t=0.0006104

updt dtso=0.036973s Calc Jac=1.4998s Calc f=0.1123s Calc gJacg=0.011224s assemble=0.016424

jacdiag=0.67886s jacce=0.098633s jacpe=0.31697s jacps=0.29635s jaccsn=0.0543s jaccsp=0.054408s jaccedce=0.042477

new all ce all cs all pe

ite 10 at time 90s I=5A CVed in 11ite 1.5276s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46295420928 PreNewt=1.4373s MatInv t=0.063342s PostNewt t=0.0005799

updt dtso=0.036444s Calc Jac=1.2557s Calc f=0.11208s Calc gJacg=0.011548s assemble=0.021313

jacdiag=0.62295s jacce=0.10175s jacpe=0.11697s jacps=0.30164s jaccsn=0.057704s jaccsp=0.054245s jaccedce=0.044974

new all ce cs pe ps

ite 10 at time 90s I=5A CVed in 11ite 1.3672s voltage=3.9381V SOCn=0.98104 SOCp=0.98492 dt=10 dV/dt=-0.00024411

avg(ce)=1035.4748 avg(csn)=29317.31 avg(csp)=17403.0113 memory=46288044032 PreNewt=1.2662s MatInv t=0.071863s PostNewt t=0.0005574

updt dtso=0.039201s Calc Jac=1.0774s Calc f=0.11913s Calc gJacg=0.013615s assemble=0.016478

jacdiag=0.60175s jacce=0.11264s jacpe=0.12654s jacps=0.11141s jaccsn=0.062316s jaccsp=0.062259s jaccedce=0.047223

new all and minor updates kappa Diff

ite 10 at time 100s I=5A CVed in 15ite 0.66511s voltage=3.9367V SOCn=0.97923 SOCp=0.98358 dt=10 dV/dt=-0.00019732

avg(ce)=1036.0997 avg(csn)=29264.8794 avg(csp)=17457.6313 memory=45862924288 PreNewt=0.54706s MatInv t=0.099652s PostNewt t=0.0010637

updt dtso=0.03164s Calc Jac=0.45022s Calc f=0.025865s Calc gJacg=0.014699s assemble=0.024272

jacdiag=0.19106s jacce=0.061229s jacpe=0.074316s jacps=0.057828s jaccsn=0.0322s jaccsp=0.03307s

jaccedce=0.030365 jacpedpe=0.02429s jacpsdps=0.0239s jaccsdcs=0.11215s total=0.1907

new all and minor updates kappa Diff and jac?/dcs

ite 10 at time 95s I=5A CVed in 15ite 0.62274s voltage=3.9372V SOCn=0.97984 SOCp=0.98403 dt=10 dV/dt=-0.00021136

avg(ce)=1035.9233 avg(csn)=29282.4854 avg(csp)=17439.359 memory=45961633792 PreNewt=0.51295s MatInv t=0.093541s PostNewt t=0.0009886

updt dtso=0.030689s Calc Jac=0.41929s Calc f=0.024647s Calc gJacg=0.013356s assemble=0.024652

jacdiag=0.17503s jacce=0.05876s jacpe=0.072337s jacps=0.054775s jaccsn=0.029634s jaccsp=0.028217s