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Scalable Multi-Period Optimal Power Flow for Active Power Distribution Systems

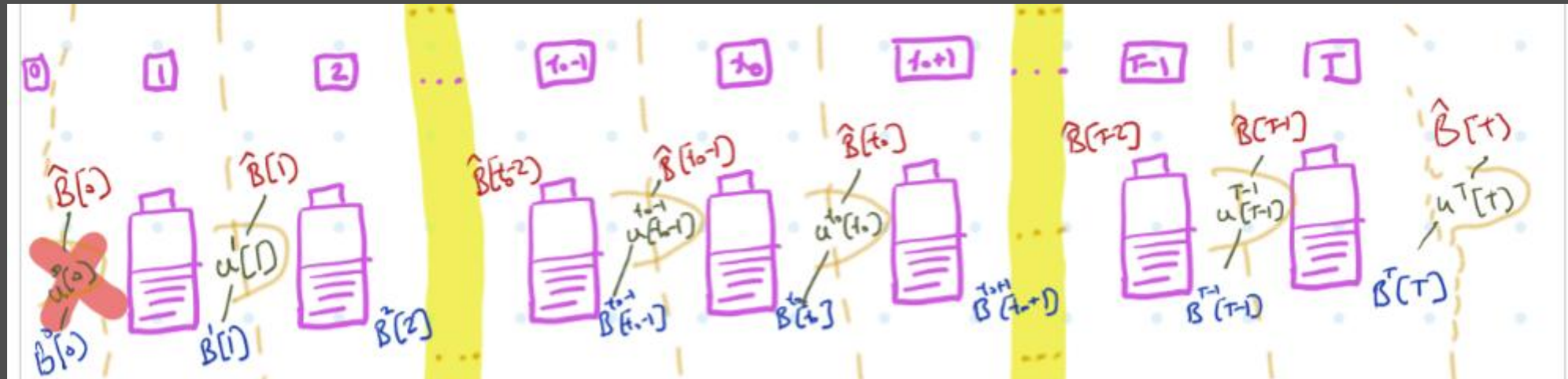
or simply, Scalable MP-OPF in ADS

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Consensus ADMM formulation for MPOPF



Description

Brute-force objective: 3414.3756

```
k=147  obj= 3679.1778  ||r||=3.07e-04  ||s||=5.03e-04
🎉 tADMM converged at iteration 147
tADMM objective: 3679.1778
BruteForced      B[min,max]=[1.2000, 3.8000] pu  | PB[min,max]=[-0.8000, 0.8000]
] pu
tADMM  B[min,max]=[1.2000, 1.5997] pu  | PB[min,max]=[-0.0000, 0.8003] pu
(tADMM) P_B[kW] in [-0.0, 800.3], B[kWh] in [1200.0, 1599.7]
```

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admm-mpopf-formulation-draft1.pdf

