



Summary of this week

- This week, we studied how cells become unbalanced
 - Differences in coulombic efficiency, self-discharge rates, leakage current (and, indirectly, temperature)
 - But not differences in capacity, resistance
- You learned a definition for a balanced battery pack, and some balancing criteria and strategies
- You learned a topology of balancing circuits and studied passive balancing



Where from here?

- Next week, our focus shifts to studying active balancing and simulation of imbalance
- You will learn about capacitor-based, transformer-based, and dc-dc converter balancing
- You will learn how to simulate the evolution of imbalance in Octave code
- You will use this as a basis for determining how quickly you must balance a battery pack



Credits

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