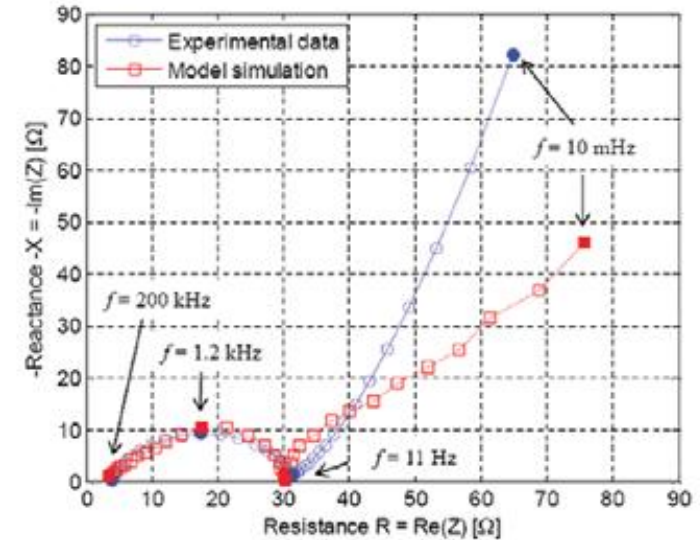


Highly Accurate Li-ion Battery Simulation

- Traditional means of evaluating battery performance with advanced chemistries do not provide sufficient information to allow researchers to optimize them
- Researchers turned to multiphysics simulation to achieve a deeper understanding of what is going on inside the cells
- Rather than work with an equivalent circuit model, researchers decided to create a physics-based model of a LiFePO₄/Li half cell



Including an Electric Double Layer allowed for a perfect agreement between simulation results at high frequencies.