

Curiosity: Why do two paths matter?

Curiosity Reading | CheAI Research Inc.

A galvanic-cell model separates two kinds of motion. The external wire provides an electron path from the electrode where oxidation produces electrons to the electrode where reduction consumes them. The salt bridge has a different job: mobile ions shift to keep either solution from building up too much net charge.

The notation string is useful because it compresses those roles into an ordered map of phases and a junction. It does not automatically tell us a measured voltage, how long a cell lasts, or how fast material changes. Those are questions for additional evidence and conditions.