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Magnetoresistance and Hall Effect in Electrochemically Doped β - $\text{Ag}_{2-\delta}\text{Te}$ PAIGE LAMPEN, JUSTIN COPENHAVER, HAROLD SCHNYDERS, Physics Department, Grand Valley State University — The magnetoresistance (MR) and Hall effect of β - $\text{Ag}_{2-\delta}\text{Te}$ are measured over a range of precise, electrochemically-established silver concentrations. In the extrinsic regime, positive MR is seen at all studied values of silver deficiency. However, it is largest and most linear within the narrow range of δ where the Hall coefficient abruptly changes sign.

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