

# Turbulent Reconnection in Relativistic Plasma and Effects of Compressibility

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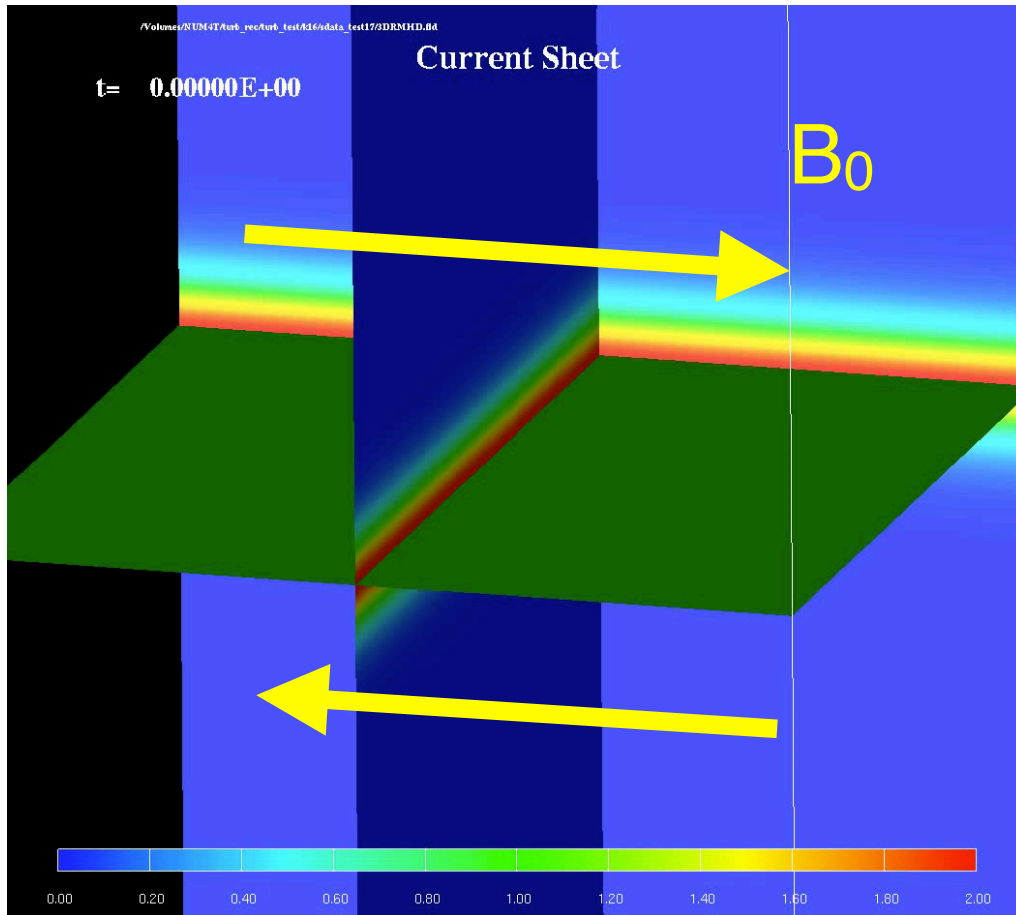
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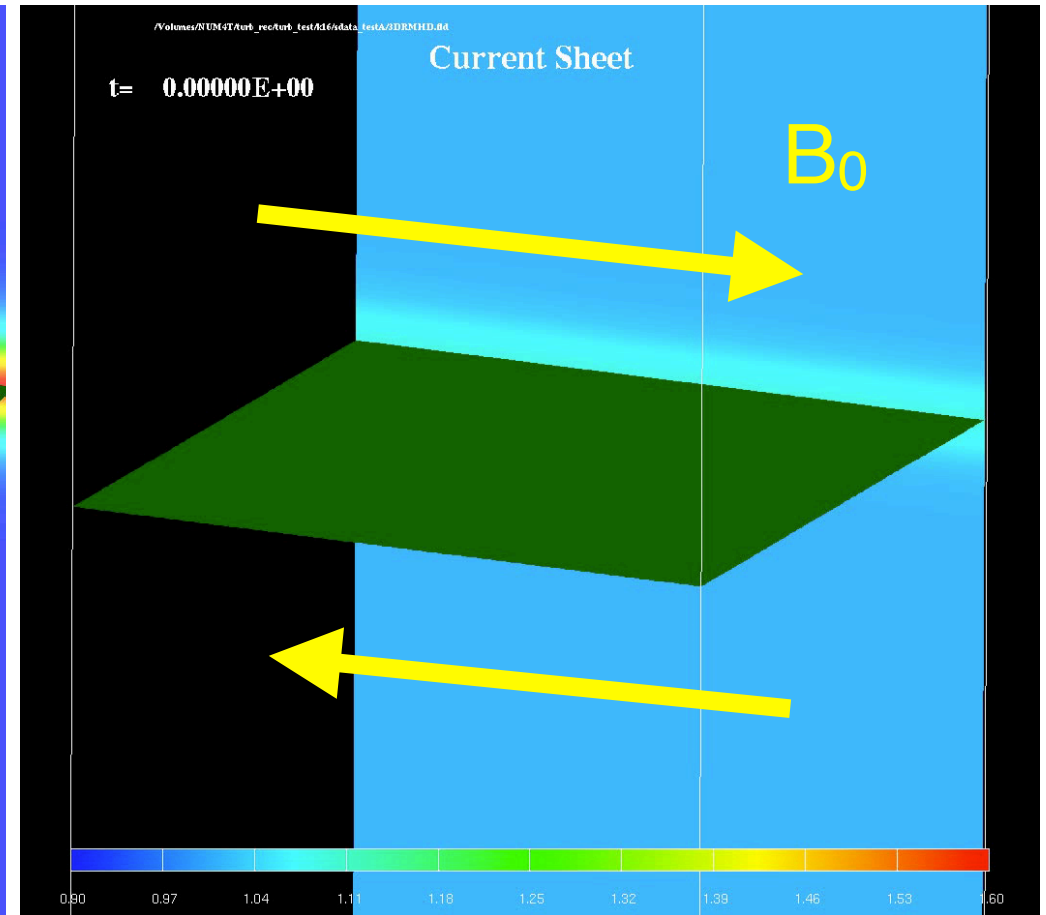
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# I. Relativistic Turbulent Reconnection

**Poynting Dominated** ( $\sigma = 5$ )

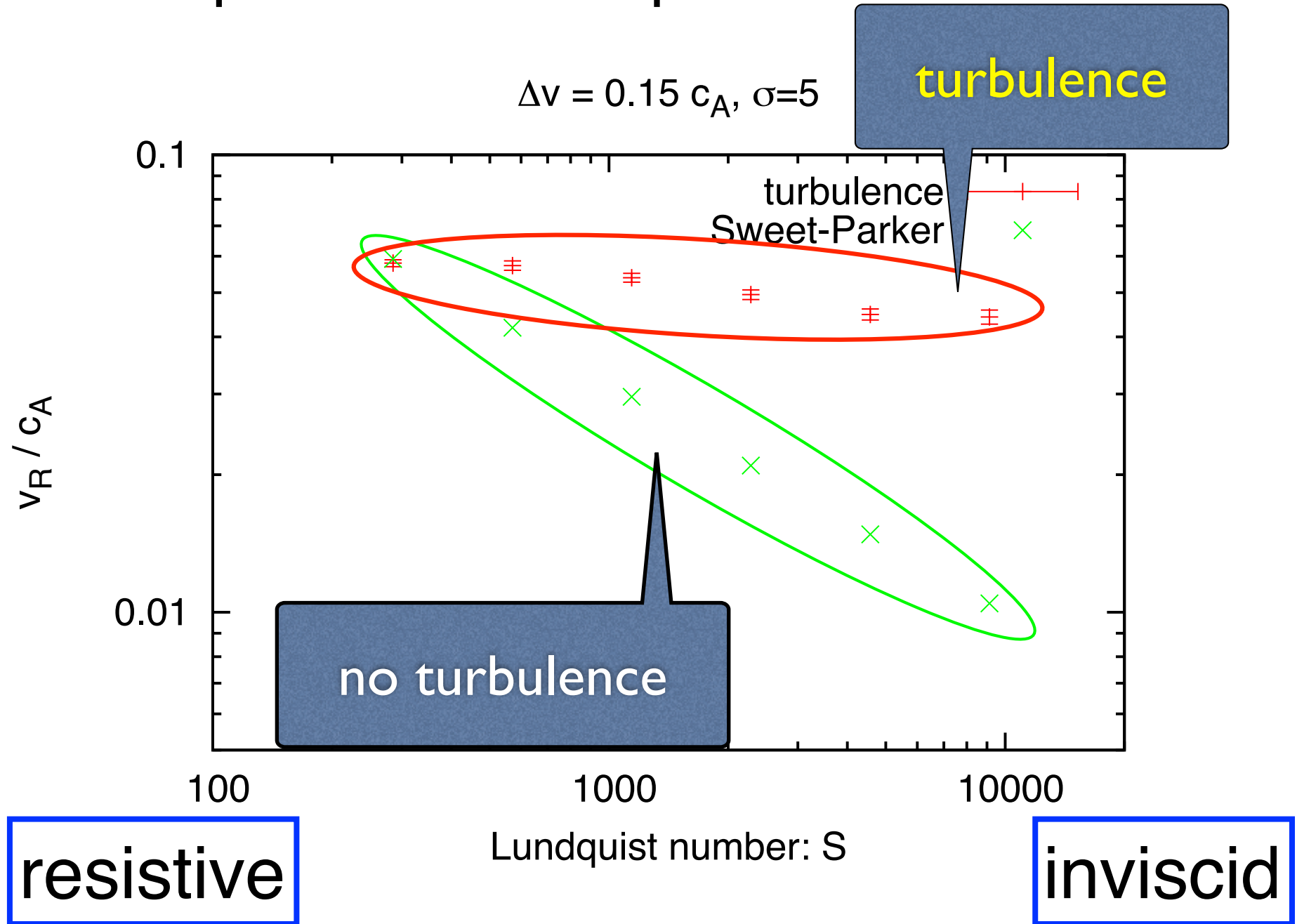


**matter dominated** ( $\sigma = 0.04$ )



- $k_B T/mc^2 = 1$
- **driven** turbulence injected around central region

## 2. Lundquist Number Dependence



### 3. Too Strong Turbulence Effects

