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Transport Of Energy In Stars

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ABSTRACT
Transport of energy in stars ..

Key words: turbulence – convection zone – stellar evolution

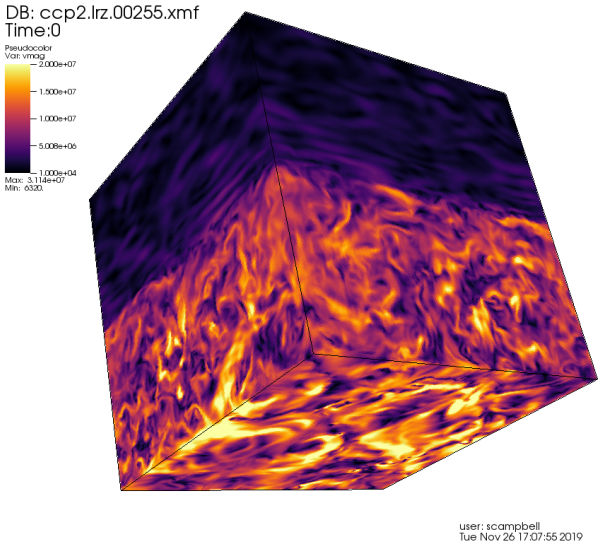

Figure 1. Visualization of 3D turbulence in a box under study.

1 INTRODUCTION

What does transport of energy (Mocák et al. 2014) tell us about convection zones in stars (Fig.2, Fig.3)?

REFERENCES

Mocák M., Meakin C., Viallet M., Arnett D., 2014, arXiv e-prints, p. arXiv:1401.5176

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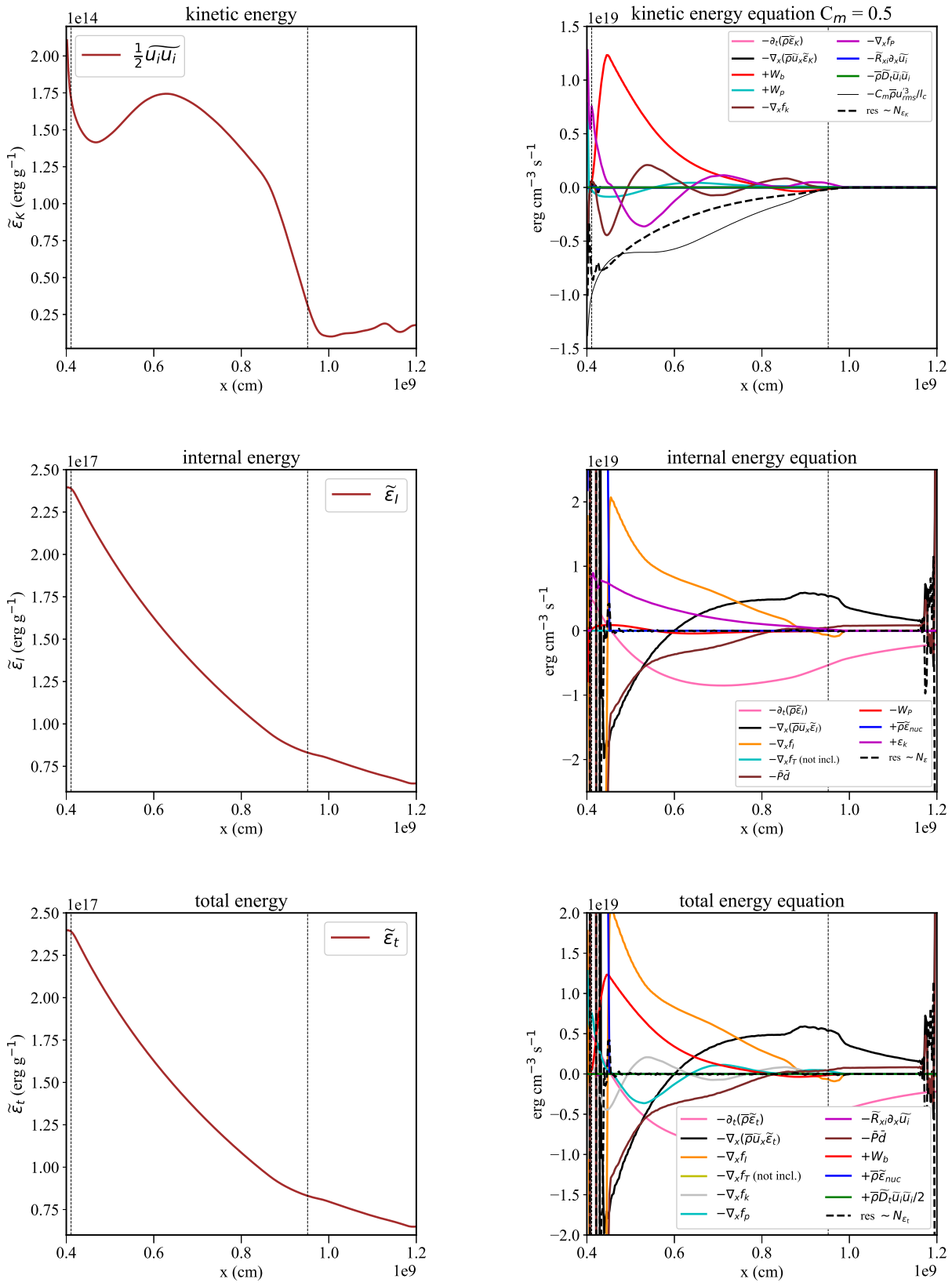

Figure 2. Transport equations for Top: kinetic energy Middle: internal energy and Bottom: total energy

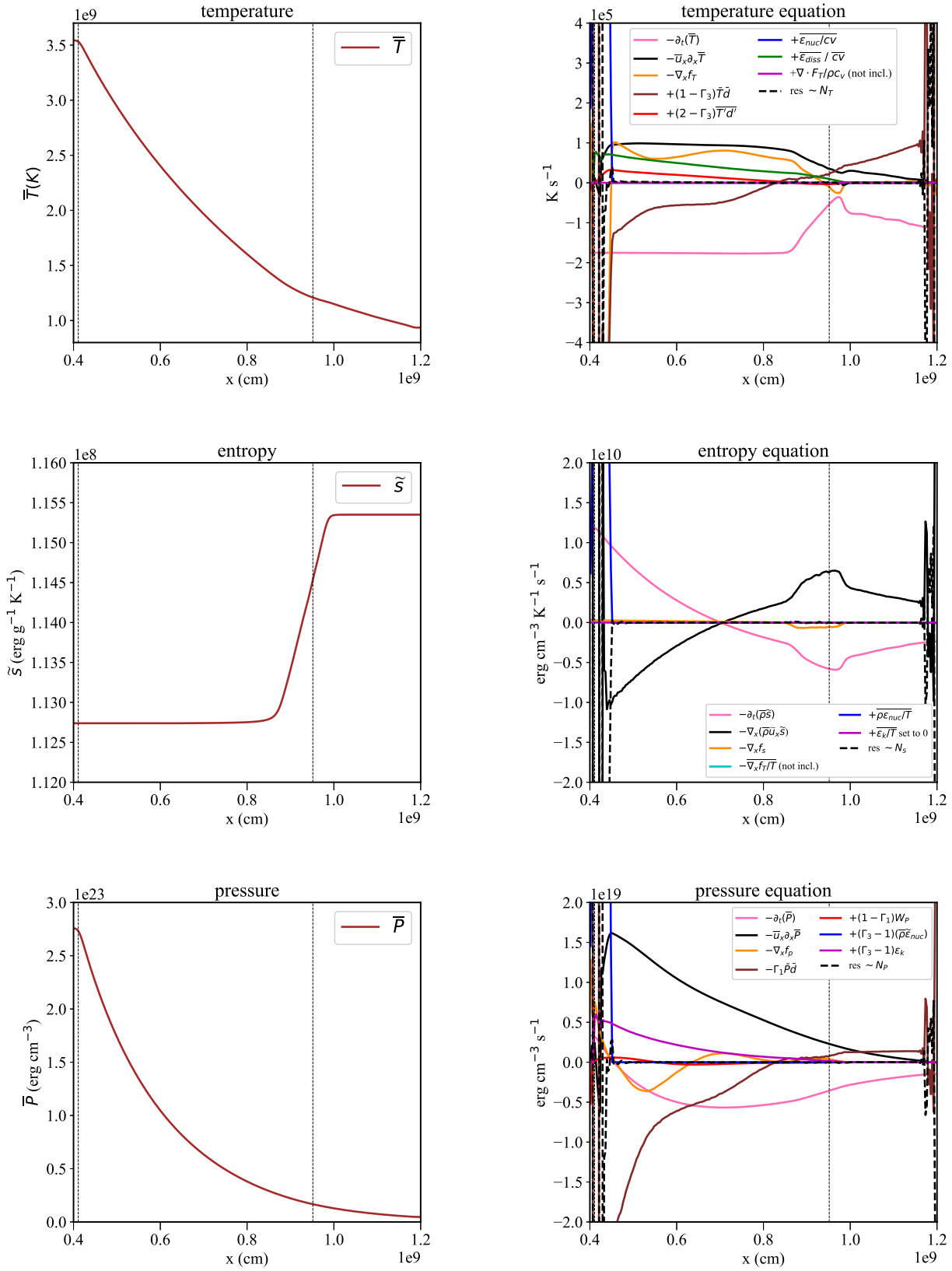

Figure 3. Transport equations for Top: temperature Middle: entropy and Bottom: pressure.