

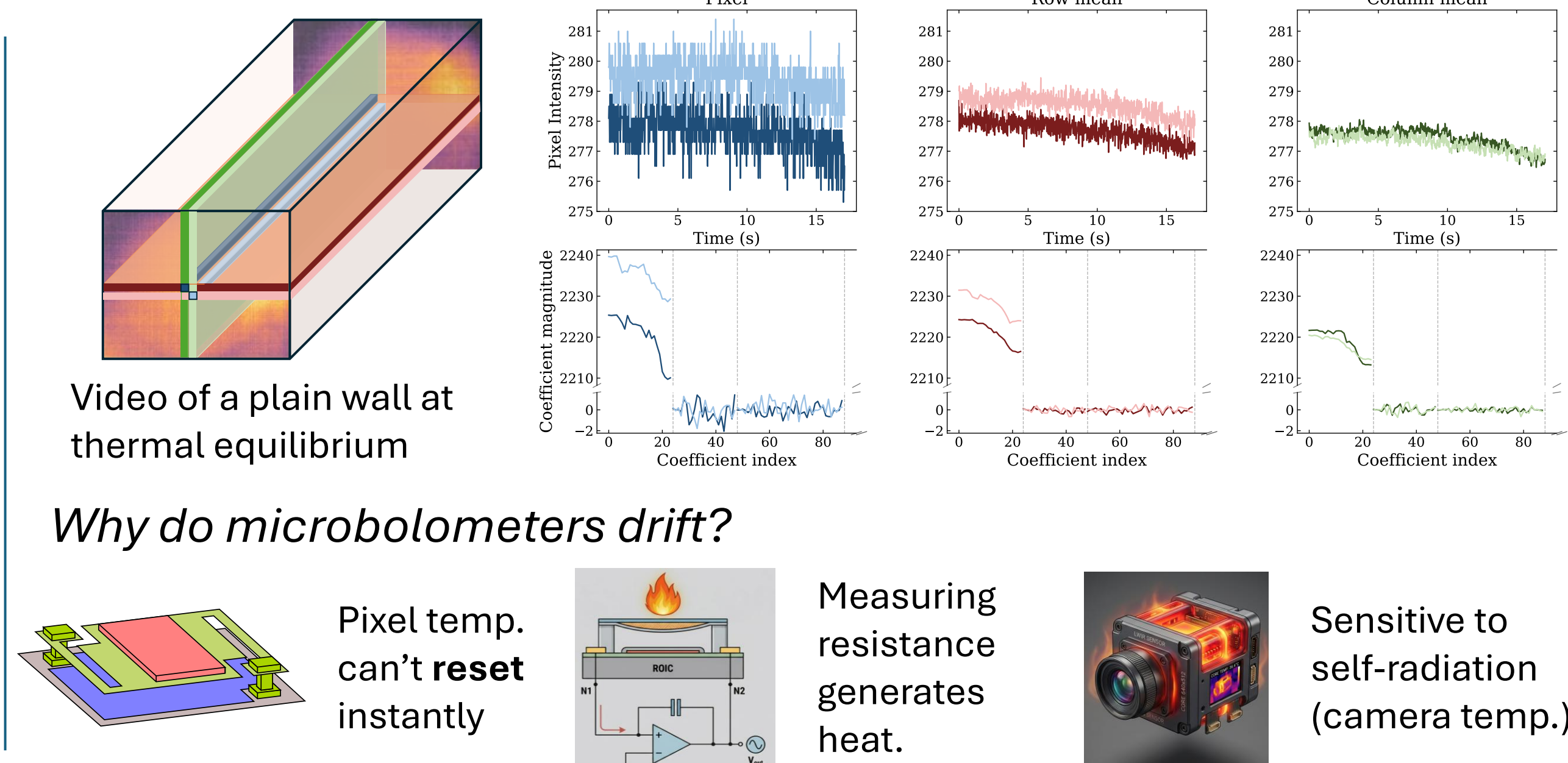


A Software Fix to Thermal Vision

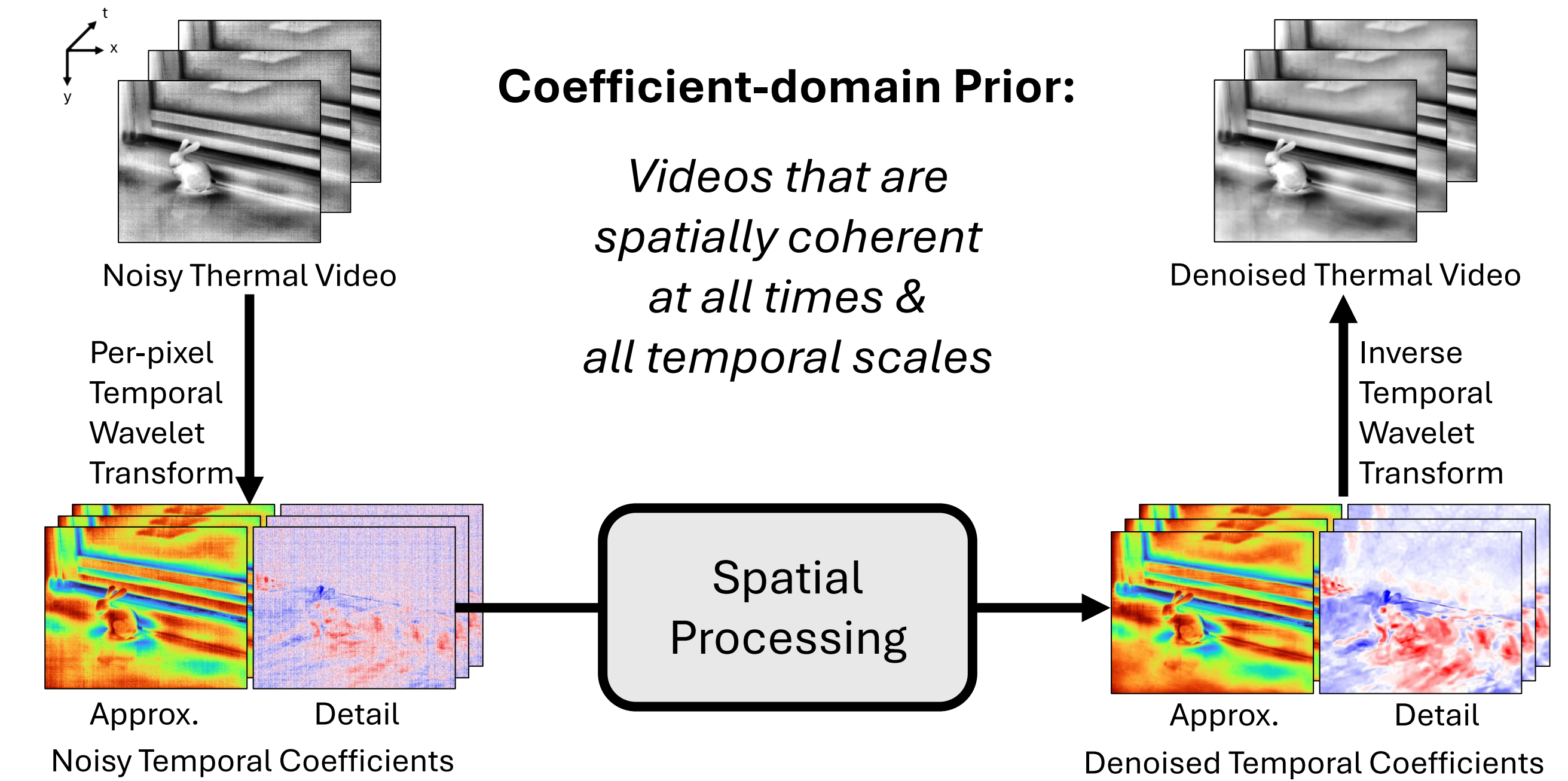
Thermal is **noisy & low-contrast**. ❌

Thermal is **dynamic & temporal**. ✅

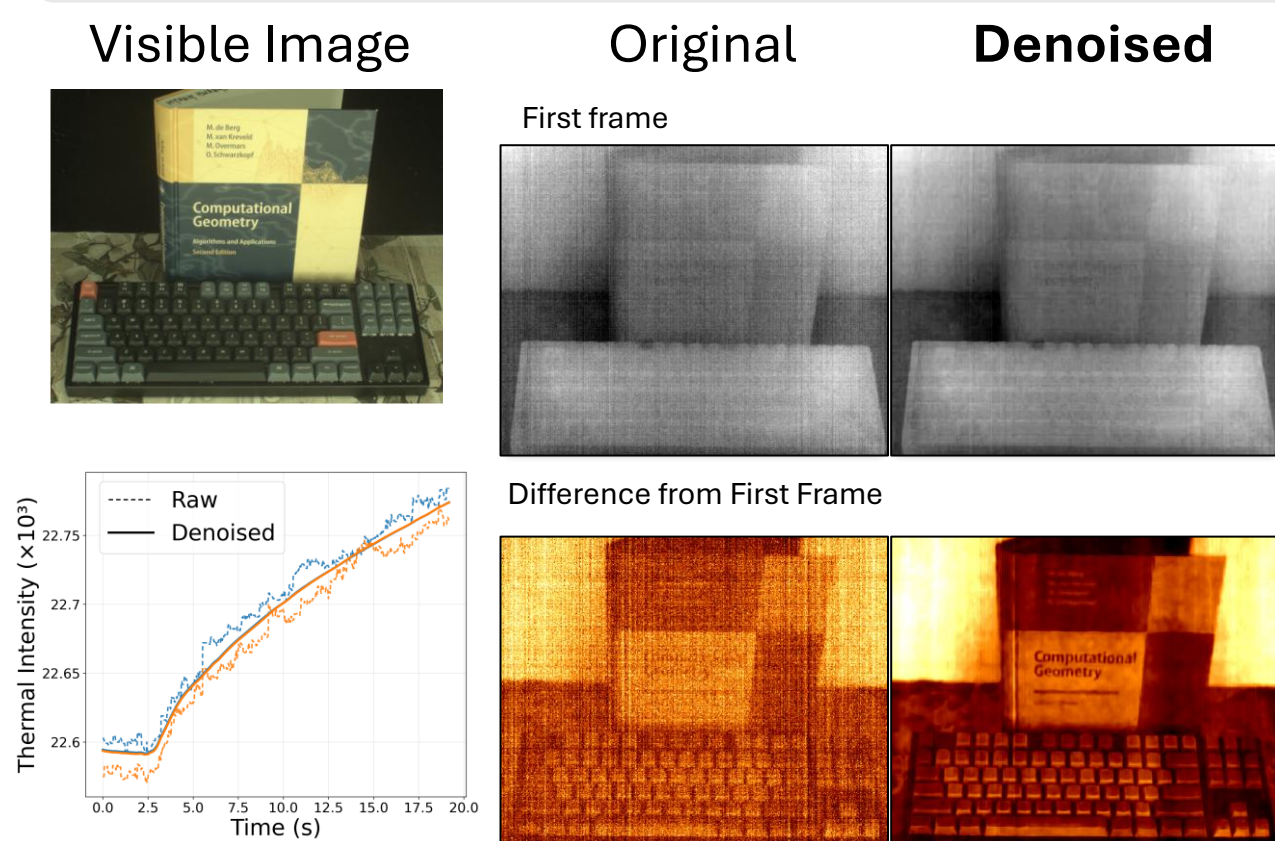
Temporal Drift → Spatial Noise



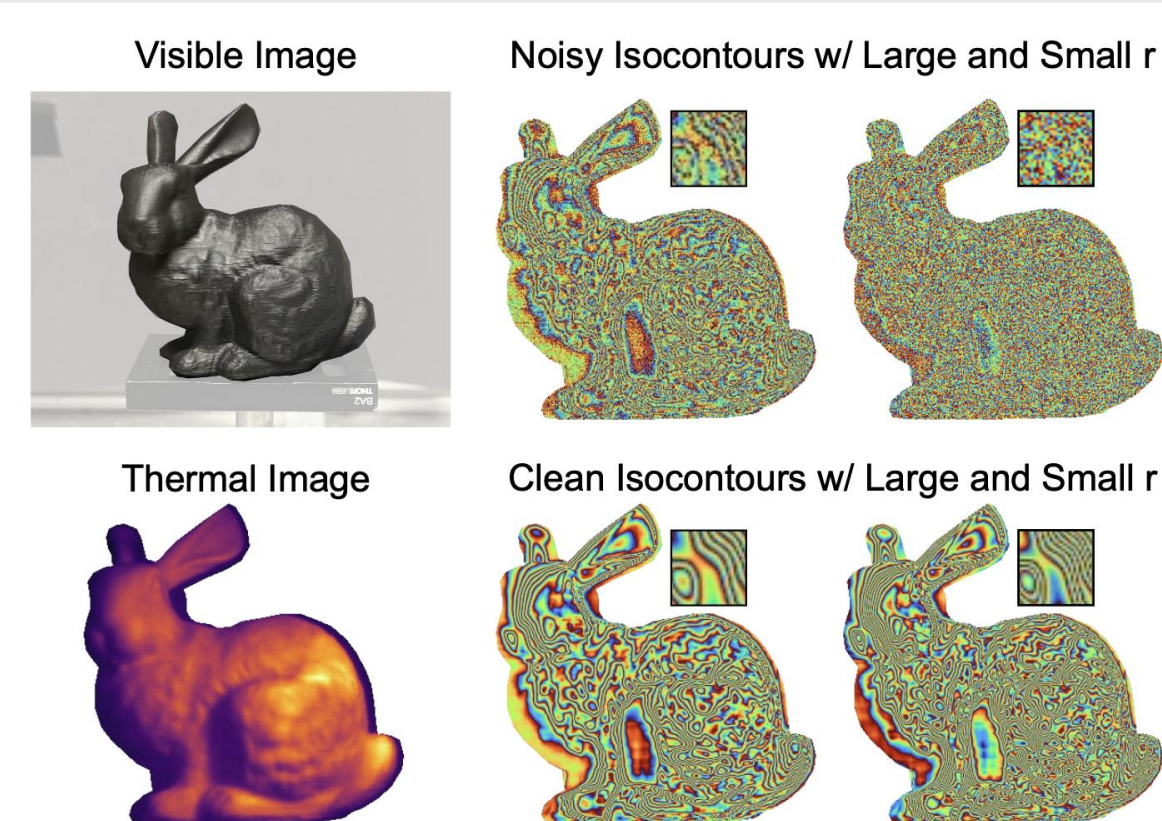
Temporal Spatial Video Processing



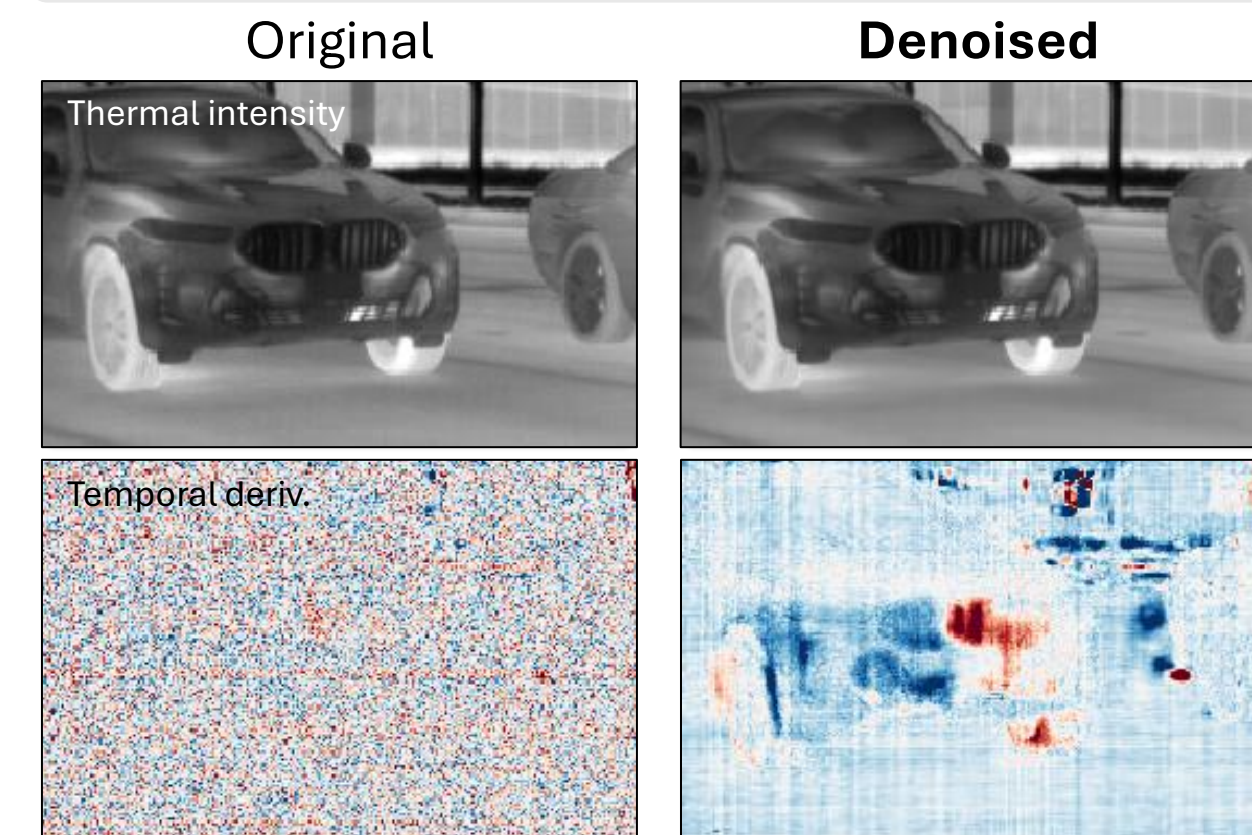
1. Light to Heat Absorption



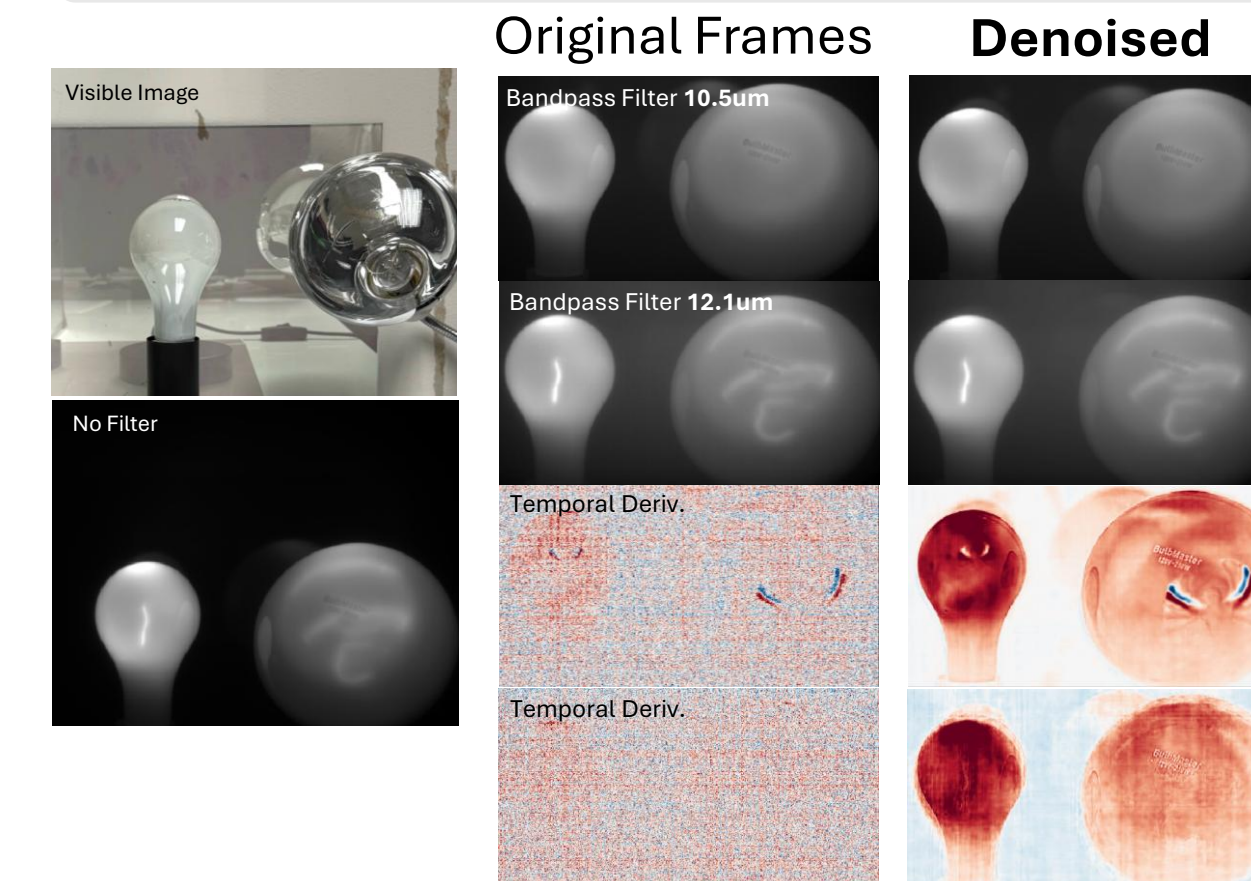
2. Heat Conduction



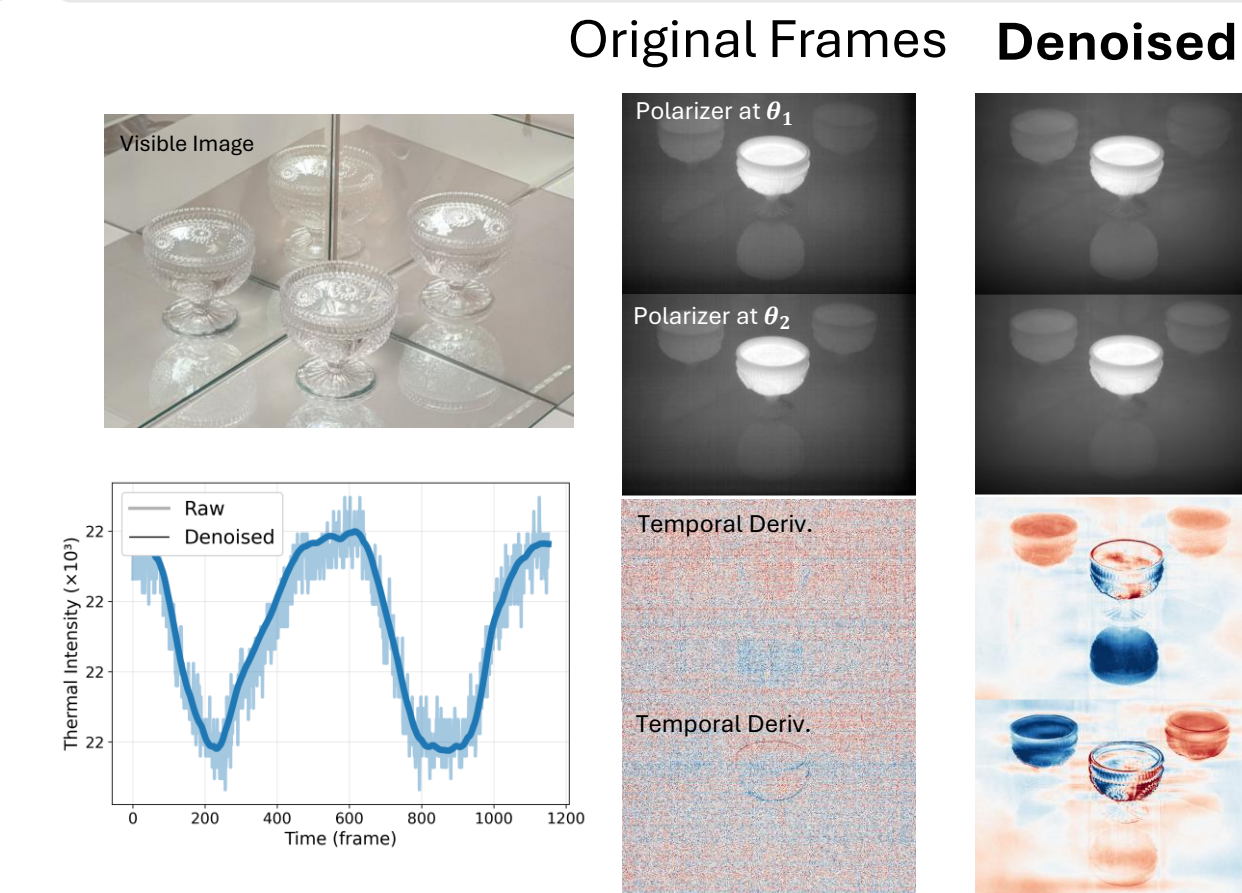
3. Heat Convection



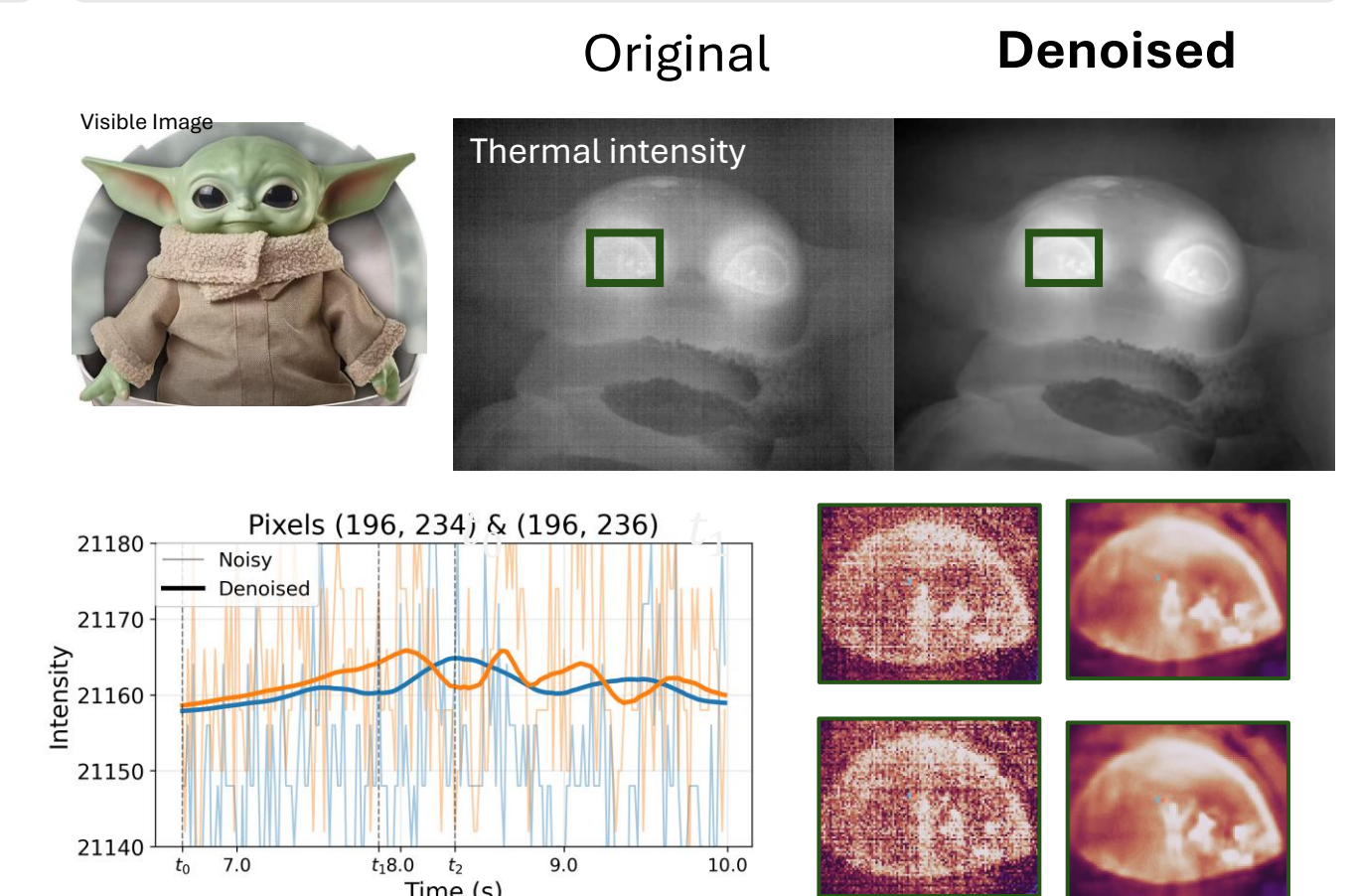
4. Thermal Spectral Emission



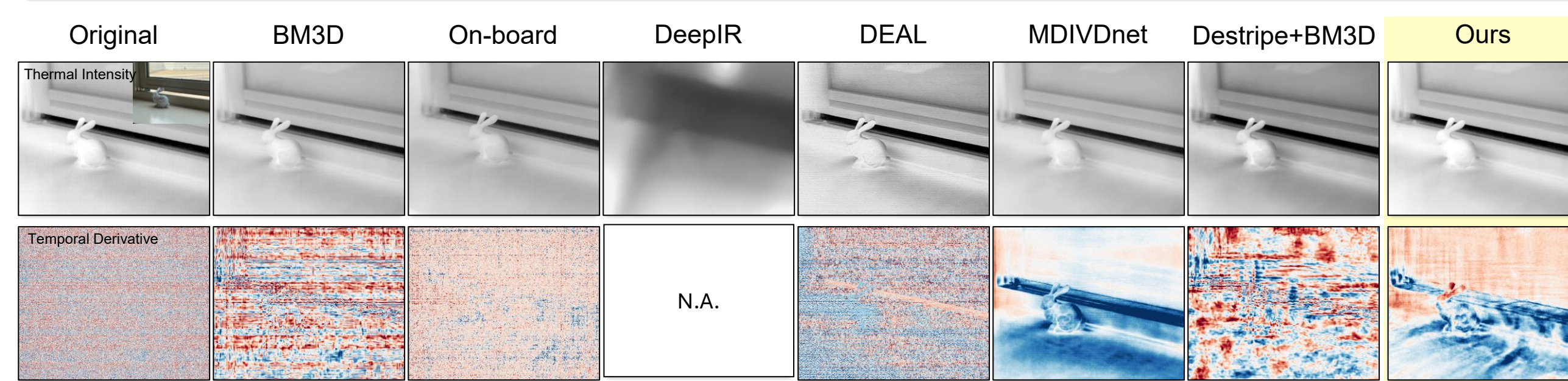
5. Thermal Polarization



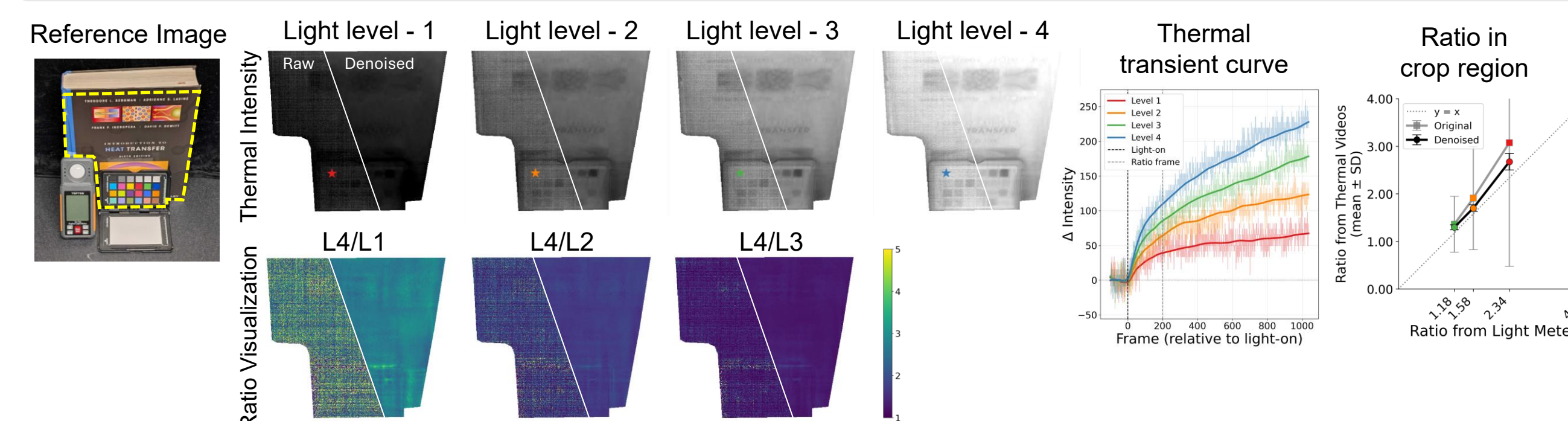
6. Thermal Reflection



Baseline Comparisons



Quantitative Experiment



Downstream Applications

