

## Revisiting the Accretion Disk Model: Insights from Reverberation Mapping

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We investigate the influence of various parameters within the accretion disk model on the time lag observed in reverberation mapping. Our analysis incorporates the lamp-post model, the color corrections for blackbody spectra, and the wind model, focusing on their effects on the temperature distribution across the disk. Through the examination of specific cases, we propose potential solutions to reconcile discrepancies in observed disk size.

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**Primary author:** CHAN, James

**Co-authors:** BEST, Henry (American Museum of Natural History); FAGIN, Joshua (The City University of New York); Prof. MATTHEW, O'Dowd (CUNY)

**Presenter:** CHAN, James

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