



# Thunyahpong “M” Mahapol

TON-YAH-PONG / EM / MA-HA-PON

George Mason University, Fairfax, VA

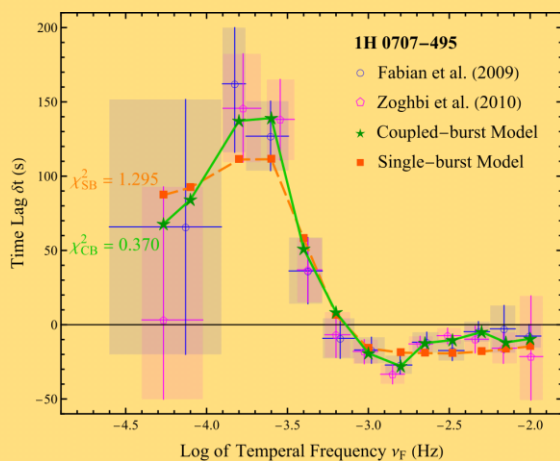
Email: tmahapol@gmu.edu

$$\frac{\partial f}{\partial t} = -\vec{v} \cdot \vec{\nabla} f + \vec{\nabla} \cdot (\kappa_{\ell} \vec{\nabla} f) + (\vec{\nabla} \cdot \vec{v}) \frac{\epsilon}{3} \frac{\partial f}{\partial \epsilon} + \frac{n_e \sigma_T c}{m_e \epsilon^2} \frac{1}{\epsilon^2} \frac{\partial}{\partial \epsilon} \left[ \epsilon^4 \left( f + k_B T_e \frac{\partial f}{\partial \epsilon} \right) \right] + Q_1 + Q_2$$

$$\delta t(\omega) = \frac{\text{Arg}[S^*(\omega)H(\omega)]}{\omega}$$

## RESEARCH INTERESTS

- Theoretical models for the X-ray Fourier time lags produced from black hole accretion disks
- Radiation transport equation
- Iron K and L photon emissions
- Narrow-line Seyfert-1 galaxies



Scan here for the full article:  
doi.org/10.1093/mnras/stae634

