



Behaviour of dissipative accretion flows around black holes

Poster # 14

Santabrata Das

sbdas@canopus.cnu.ac.kr

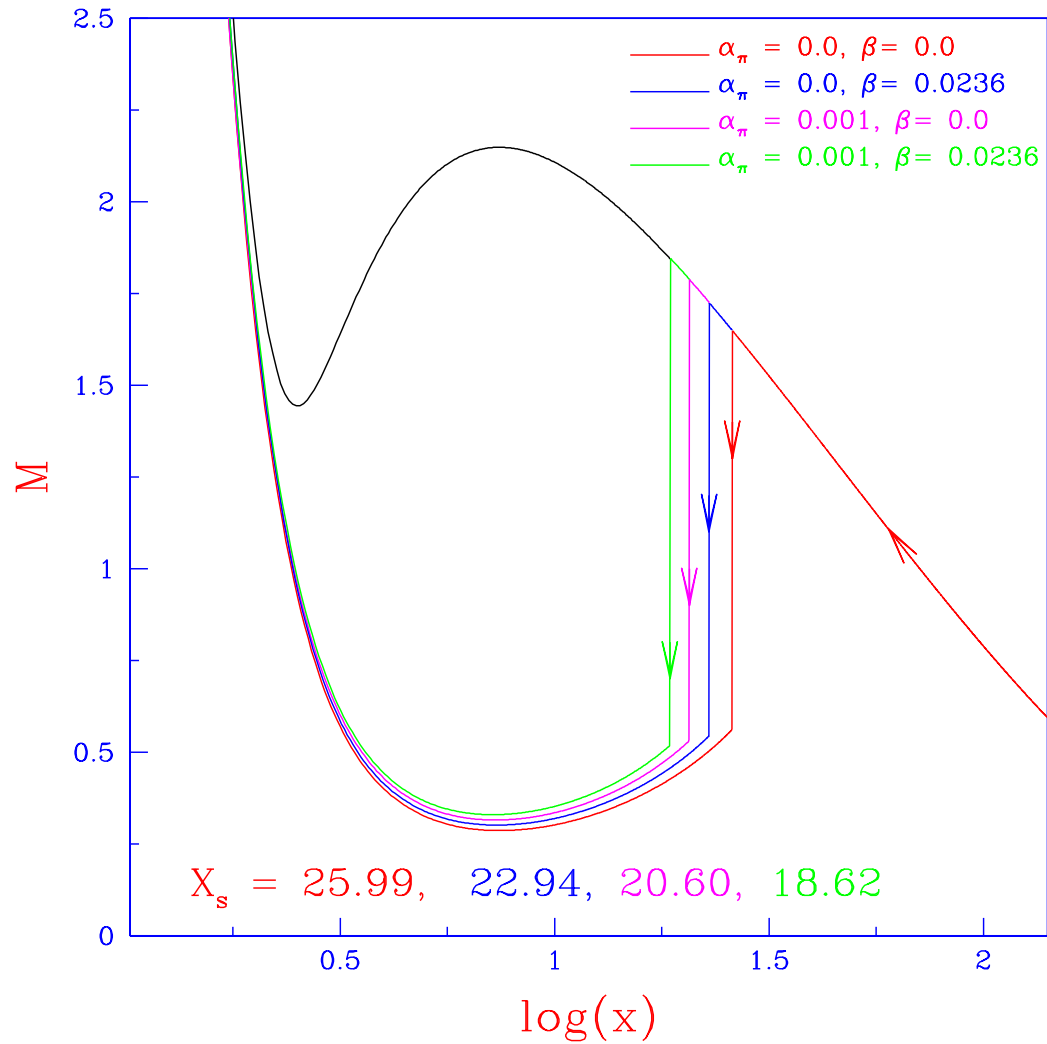
ARCSEC, Sejong University, South Korea.





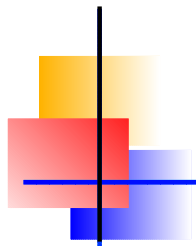
We study the viscous accretion flow around a Schwarzschild BH in presence of cooling effect.





$$\mathcal{E}_{inj} = 3.3663 \times 10^{-3}, \lambda_{inj} = 1.725, x_{inj} = 145.$$

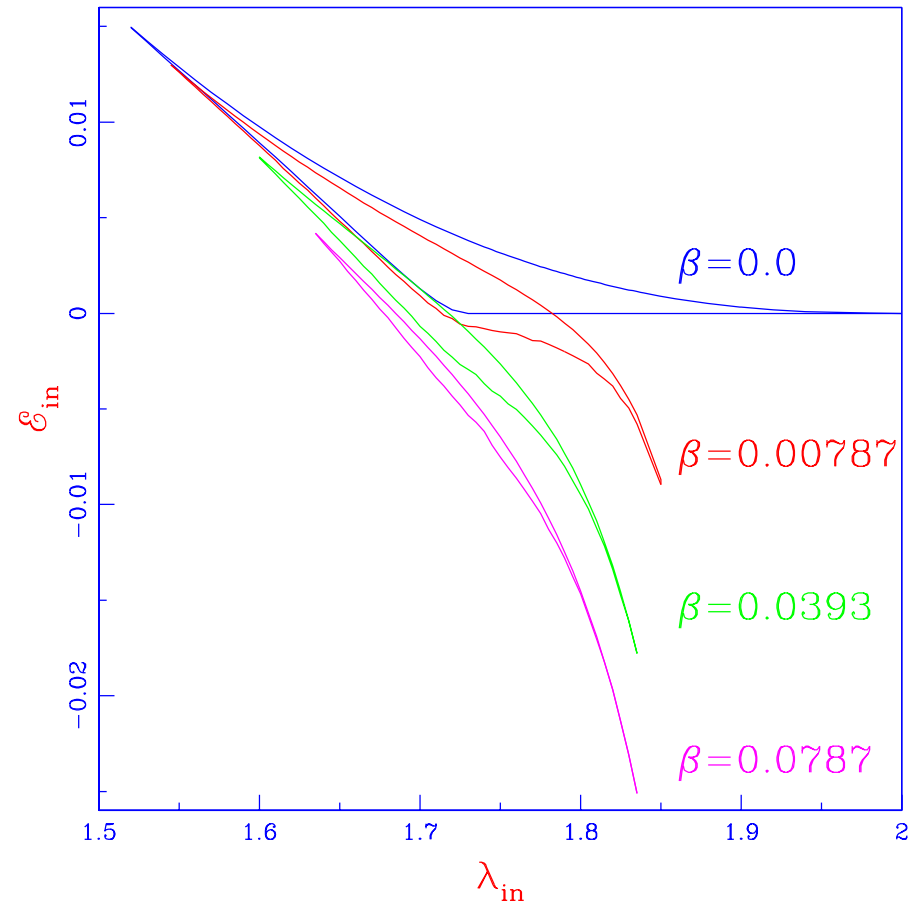
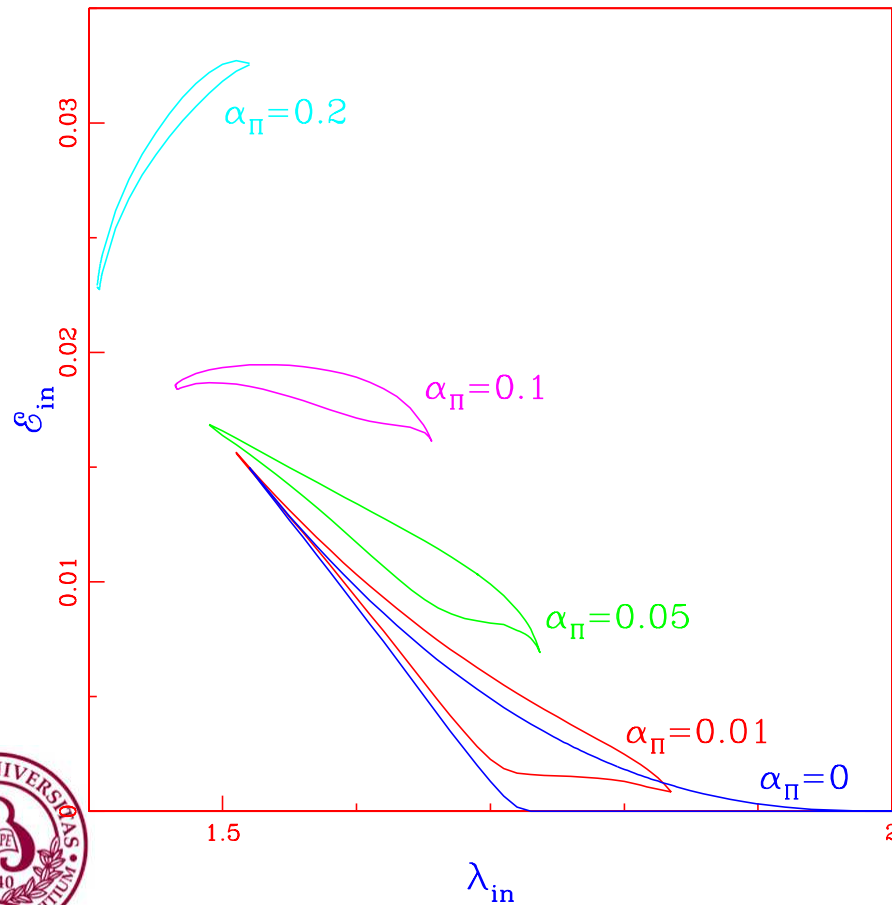
Das, 2006, Submitted to MNRAS.



Parameter Space for shock

$$\beta = 0.0$$

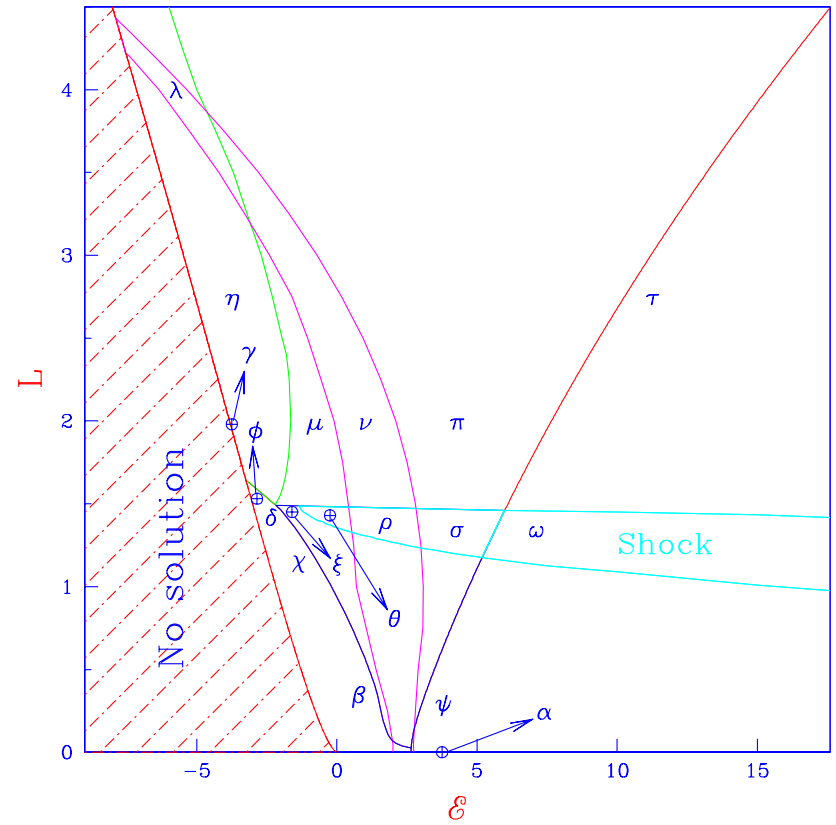
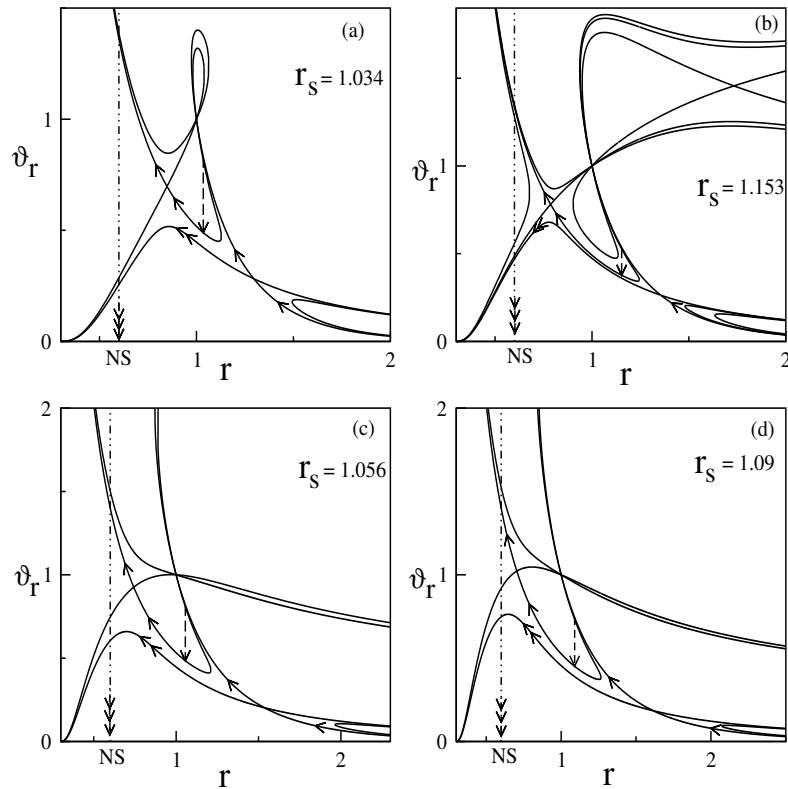
$$\alpha_{\Pi} = 0.0$$



Chakrabarti & Das, 2004, MNRAS, 349, 649. Das, 2006, Submitted to MNRAS.

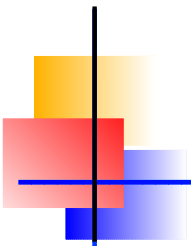


MHD accretion shock



Das & Chakrabarti, 2006, MNRAS, in press.





Thank You

