WIDGET – Wall and Inner Disk Grain Equilibrium Treatment

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Dust-free Dust halo Condensation Optically thick disk front Stellar Star irradiation Dust amount is Gas temperature in the optically determined to Stellar irradiation with thin limit high incident angle low incident angle

Region B

Region A

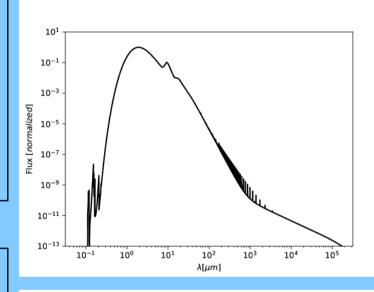
Ueda, Okuzumi and Flock, 2017

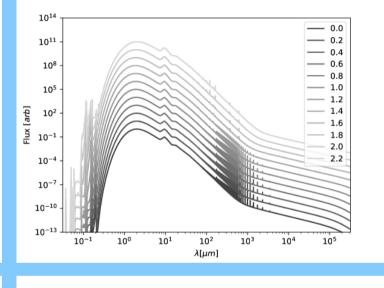
Region C

Region D

Main aim

To investigate the curvature, location and grain abundances of the puffed-up inner wall found in proto-planetary disks using Cloudy simulations





Model parameters

- Hden = 10.53 to -15.9
- Stop temperature = 1000 K
- Blackbody at 4400 K
- Q(H) = 33.20
- Radius = 12
- Grains ISM function sublimation
- Cosmic rays background

