

# Model dust envelopes and disks around Herbig Ae/Be stars

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We model the dust envelopes and disks around Herbig Ae/Be stars using optical properties of various amorphous and crystalline dust grains paying close attention to the infrared observations of the stars including the Infrared Space Observatory data. Using the opacity functions for various mixtures of the dust grains including water ice, silicates, and carbon grains, we calculate the radiative transfer model spectral energy distributions for the dust envelopes and disks. We compare the model results with the observed SEDs of the stars.