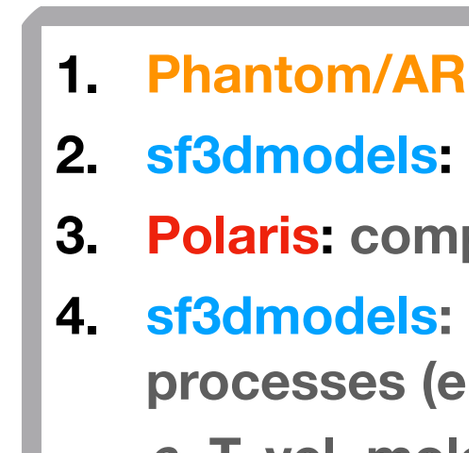
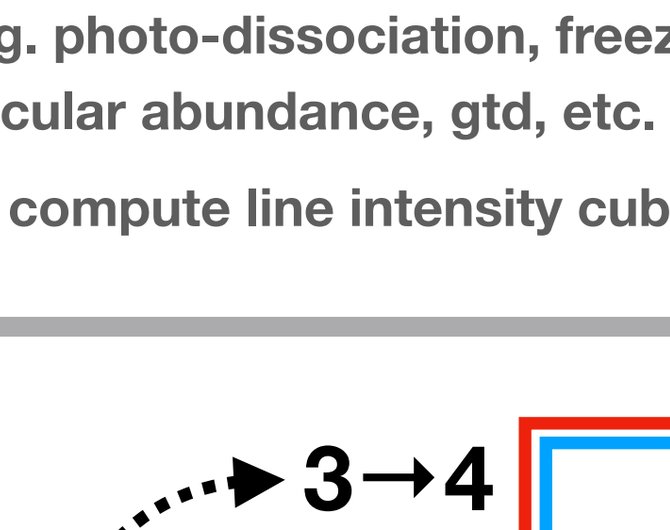
1. **Phantom/AREPO**: SPH or Voronoi mesh-based simulation snapshot.
2. **sf3dmodels**: read snapshot, clean it, create Voronoi grid and pass it on to **Polaris/LIME**.
3. **Polaris**: compute dust temperature distribution using radiation sources and/or ISRF.
4. **sf3dmodels**: read output temperature from **Polaris**, consider additional thermochemical processes (e.g. photo-dissociation, freeze-out), and provide **Polaris/LIME** with the final ρ, T, vel, molecular abundance, gtd, etc.
5. **Polaris/LIME**: compute line intensity cubes, dust continuum emission and/or optical depth maps.

3, 4 optional

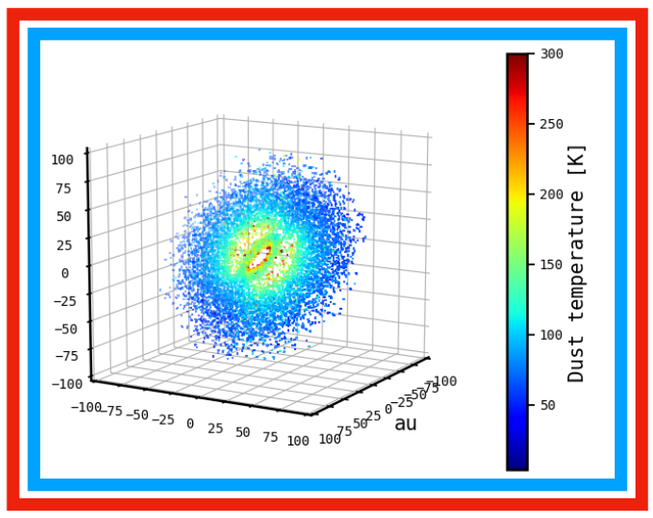
1



2→3



3→4



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