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Sizing up protoplanetary disks

Trapman, L.

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Author: Trapman, L.

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Propositions
accompanying the thesis

Sizing up protoplanetary disks

1. To study the radial drift of dust grains, focus on the opacity of the gas
[Chapters 2 & 3]
2. Disk winds remain a viable option for the transport of angular momentum in disks
[Chapter 4]
3. Chemical conversion of CO does not by itself explain the low observed CO isotopolog
line fluxes
[Chapter 5]
4. Even when not detected, HD lines provides crucial information about protoplanetary
disks
[Chapter 6]
5. Our understanding of protoplanetary disks cannot be complete without a far-infrared
observatory
6. A portion of observing time should be given to projects selected at random
7. Scientific software should be treated just like other contributions to a paper
8. Going forward, live conferences should also be open for online participation
9. The challenge of a PhD is doing many projects at once but finishing them one by
one
10. Managing the deadlines of your collaborators is sometimes more important than
managing your own
11. Taking the stairs has both short and long term benefits
12. Like most cocktails, protoplanetary disks are better appreciated if well mixed

Leon Trapman
Leiden, 5 november 2020