

IRBis image reconstruction tasks:

- 1) perform reconstruction from simulated data Simulation.LkHa101.tar (BeautyContest2004)
- 2) perform reconstruction from real MATISSE data of FS CMa HD45677.Lband.data.tar

Steps to be performed:

- 1) create IRBisImarec/
mkdir IRBisImarec
cd IRBisImarec

to 1. task:

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- 1) create directory Simulation.LkHa101/ by unpcking the data tar file
tar -xzvf /data/imarec/Simulation.LkHa101.tar
cd Simulation.LkHa101/
- 2) copy the IRBis parameter file mat_cal_imarec_all.2.par from \$SCRIPTS/
cp \$SCRIPTS/mat_cal_imarec_all.2.par .

edit the parameter file mat_cal_imarec_all.2.par

- a) set data = (data/{*.oifits})
(the data are in data/{*.oifits})
set lambdaList = (0.1 20.0)
set fitfwhm2 = 2.0
- b) the original object is in Simulation.LkHa101/data/orig.fits, 1 pixel == 0.05 mas
set model = data/orig.fits
set modelPixelScale = 0.05
- c) for the 1. action:
set guess = 1
- d) start the 1. action run:
\$SCRIPTS/mat_cal_imarec_all.2.csh mat_cal_imarec_all.2.par

- 3) next steps and more details are described in IRBisScriptGuidance.pdf

2. task:

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- 1) create directory HD45677.Lband.data/ by unpcking the data tar file
tar -xzvf /data/imarec/HD45677.Lband.data.tar
cd HD45677.Lband.data/
- 2) copy the IRBis parameter file mat_cal_imarec_all.2.par from \$SCRIPTS/
cp \$SCRIPTS/mat_cal_imarec_all.2.par .

edit the parameter file mat_cal_imarec_all.2.par

- a) set data = (data/{*.oifits})
(the data are in data/{*.oifits})
set lambdaList = (3.4 3.8)
set fitfwhm2 = 20.0
- b) for the 1. action:
set guess = 1
- c) start the 1. action run:
\$SCRIPTS/mat_cal_imarec_all.2.csh mat_cal_imarec_all.2.par

- 3) next steps and more details are described in IRBisScriptGuidance.pdf