

“radiative transfer spectra simulation”
fitting temperature transmission synthetic atmospheres
code absorption model observations resolution spectrum
atmospheric molecular transfer radiative lines emission
spectral spectra line

“exoplanets”
model candidates k2 system earth stars
orbital curve exoplanets tess systems transiting
planetary kepler exoplanet curves light
transit planet planets

“galaxies”
masses radius properties disc population
age distribution dust models clusters evolution
model cluster formation galaxy stars star
galaxies stellar mass

“hydrodynamic simulations”
models present available simulation grid radiation
general order codes mesh time relativistic
method hydrodynamics particle body equations
simulations numerical code

“data reduction pipelines”
algorithms high survey time telescope learning
algorithm based library imaging sources processing
reduction images astronomical image pipeline

“cosmology”
halos space large bias clustering scales
cmb simulations model cosmic scale spectrum
redshift cosmological lensing power galaxy
halo dark matter

“statistical inference”
algorithm method probability distributions estimation
markov chain mcmc models parameters carlo monte
model nested parameter likelihood posterior inference
sampling bayesian