



Publication Year	2017
Acceptance in OA	2020-09-23T09:12:03Z
Title	DOOp: DAOSPEC Output Optimizer pipeline
Authors	Cantat-Gaudin, Tristan, Donati, Paolo, PANCINO, ELENA, BRAGAGLIA, Angela, VALLENARI, Antonella, Friel, Eileen D., SORDO, ROSANNA, Jacobson, Heather R., MAGRINI, LAURA
Handle	http://hdl.handle.net/20.500.12386/27464
Journal	Astrophysics Source Code Library

ASCL Code Record

[[ascl:1709.004](#)] [DOOp: DAOSPEC Output Optimizer pipeline](#)

[Cantat-Gaudin, Tristan](#); [Donati, Paolo](#); [Pancino, Elena](#); [Bragaglia, Angela](#); [Vallenari, Antonella](#); [Friel, Eileen D.](#); [Sordo, Rosanna](#); [Jacobson, Heather R.](#); [Magrini, Laura](#)

The DAOSPEC Output Optimizer pipeline (DOOp) runs efficient and convenient equivalent widths measurements in batches of hundreds of spectra. It uses a series of BASH scripts to work as a wrapper for the FORTRAN code DAOSPEC ([ascl:1011.002](#)) and uses IRAF ([ascl:9911.002](#)) to automatically fix some of the parameters that are usually set by hand when using DAOSPEC. This allows batch-processing of quantities of spectra that would be impossible to deal with by hand. DOOp was originally built for the large quantity of UVES and GIRAFFE spectra produced by the Gaia-ESO Survey, but just like DAOSPEC, it can be used on any high resolution and high signal-to-noise ratio spectrum binned on a linear wavelength scale.

Code site: <https://web.oapd.inaf.it/GaiaESO/DOOp.html>

Used in: <https://ui.adsabs.harvard.edu/#abs/2015A%26A...583A..69B>

Described in: <https://ui.adsabs.harvard.edu/#abs/2014A&A...562A..10C>

Bibcode: [2017ascl.soft09004C](#)

[Explain these fields?](#)

Discuss ➞

Views: 1771

[Suggest a change or addition.](#)

ascl 1709.004

[Add this shield to your page](#)