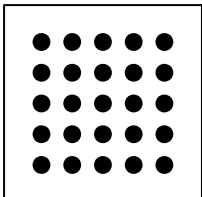


gollum

(Shankar et al. 2024)

Download PHOENIX
subset from FTP server

Preprocess PHOENIX
subset



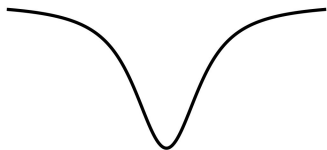
blase

(Gully-Santiago & Morley 2022)

Convert spectral basis
from flux to Voigt
profiles

Tune Voigt profiles with
ML

Write state dictionary
to disk

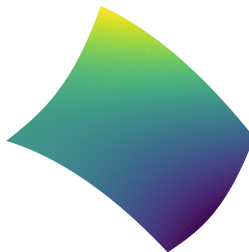


scipy

(Virtanen et al. 2020)

Create interpolator
objects for each Voigt
profile

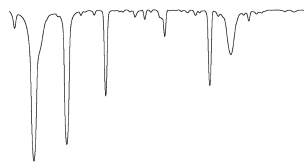
Evaluate interpolator
objects, either singly or
as a batch



blase

(this work)

Convert interpolated
Voigt profiles back to
flux basis



scikit

(Head et al. 2018)

Create surrogate model
from randomly
sampled points

Minimize RMS loss with
guided evaluations

Return inference

