

Spectral Energy Distributions of binary sdB stars

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142 sdB binaries with known orbits (Kupfer 2015):

Companions:

- 1/3 white dwarfs
- 1/5 dM/BD
- **rest: unknown**
- Construct SED from UV (IUE), optical, IR & FIR photometry
- Match SEDs and colours by synthetic photometry from model atmospheres:
 - for sdB stars
 - for combination of models for sdB + cool stars
- Check results from spectroscopy
- Distances & Reddening

Constrain the Nature of the companions

An Example: PB 5333

