

rdcoil

The Fourier harmonics of the coils are read from file.

[called by: [xoptim.](#)]

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1.1 overview

1. The Fourier harmonics of the coils are read from `coils`, which has the following format:

```
lNfourier lNcoils      ! integers:
xcu(          1:lNcoils) ! reals: current through each coil;
xto(          1:lNcoils) ! reals: poloidal offset for each coil;
xzo(          1:lNcoils) ! reals: toroidal offset for each coil;
xts(0:lNfourier,1:lNcoils) ! reals: Fourier sine harmonics of poloidal variation of each coil;
xtc(0:lNfourier,1:lNcoils) ! reals: Fourier cosine harmonics of poloidal variation of each coil;
xzs(0:lNfourier,1:lNcoils) ! reals: Fourier sine harmonics of toroidal variation of each coil;
xzc(0:lNfourier,1:lNcoils) ! reals: Fourier cosine harmonics of toroidal variation of each coil;
```

2. The coils are constructed in [iccoil](#).