NAME
scatterdb_convert – converts old style scattering database to new style scattering database.

SYNOPSIS
scatterdb_convert [OPTIONS]

DESCRIPTION
Copies the *scatterdb* to *outputdb* adding fields to adhere to the new style scattering database required by scatter–1.0.1 and greater.

The *hdosxform_db* and *mirror_db* are used to determine the zone geometry in the body center coordinates.

OPTIONS
The following options are supported:

hdosxformdb
> RDB database mirror dimensions. See FILES.

mirrordb
> RDB database of mirror positions. See FILES.

scatterdb
> RDB database of zone positions and scattering distribution files. See FILES.

outputdb
> File into which the output is written.

help
> Print brief usage information and exit.

usage
> Print usage information and exit.

version
> Print version information and exit.

EXAMPLE
```
scatterdb_convert                                                         \
  --hdosxformdb /proj/axaf/simul/databases/mirror/hdos_xform.rdb  \
  --mirrordb /proj/axaf/simul/databases/mirror/EKCHDOS06.rdb       \
  --scatterdb /proj/axaf/simul/databases/scatter/HDOS_980623a.rdb \
  --outputdb ./HDOS_980623a.rdb
```

FILES
HDOS Transform Database

The HDOS transform database must contain the mirror name, mirror end cut position, and mirror length in the *mirror*, *Z_ec*, and *L* columns respectively.

Mirror Database

The mirror database must contain the mirror name and Z position of the body center of the optic in the *mirror* and *z0* columns respectively.

Scatter Database

The scatter database must contain the mirror name, Z position of the zone minimum, Z position of the zone maximum, and the binary format scattering distribution file in the *mirror*, *zmin*, *zmax*, and *scat_file* columns respectively.

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VERSION

This documents version @VERSION@ of **scatterdb_convert**.

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