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## NAME

stdf4\_to\_atdf2.pl - Converts an STDF version 4 file to an ATDF version 2 file

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## SYNTAX

```
perl stdf4_to_atdf2.pl [OPTIONS] ARGUMENTS
```

OPTIONS

-a, --about

Displays information about this program.

-d, --debug

Enables debug mode which outputs debug information to standard output.

- h, --help  
Displays help for this program.
- l, --log  
Enables log mode which outputs log information to standard output.
- w, --wrap  
Enables wrap mode which outputs the ATDF records as a maximum of 80 characters per file line. Continuation lines begin with a space character. For example:

```
00000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
MIR:char_dig_highv_0C|    MATRIX_MODE|char_ad1843_a580|joe_t|A585|
  10:09:41 12-Sep-1995|11:46:14 12-Sep-1995|kan|E|1|1|||IMAGE V5.7 D1 081795|||
```

#### ARGUMENTS

StdfileSpec  
The input STDF file specification.

AtdfileSpec  
The output ATDF file specification.

#### RETURNS

The program returns a value of unix true (0) if no errors occur; otherwise, a value of unix false (1) is returned.

#### STANDARD INPUT

Standard input is ignored.

#### STANDARD OUTPUT

There is no output to standard output unless the log (-l, --log) or debug (-d, --debug) options are specified.

## STANDARD ERROR

If an error occurs then a message is output to standard error.

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## SYNOPSIS

```
perl stdf4_to_atdf2.pl -a
perl stdf4_to_atdf2.pl --about
```

Displays information about the program.

```
perl stdf4_to_atdf2.pl -h
perl stdf4_to_atdf2.pl --help
```

Displays the help for the program.

```
perl stdf4_to_atdf2.pl StdFileSpec AtdfFileSpec
```

Converts the STDF file specified by StdFileSpec to the ATDF file specified by AtdfFileSpec.

```
perl stdf4_to_atdf2.pl -l StdFileSpec AtdfFileSpec
perl stdf4_to_atdf2.pl --log StdFileSpec AtdfFileSpec
```

Converts the STDF file specified by StdFileSpec to the ATDF file specified by AtdfFileSpec and outputs log information to standard output.

```
perl stdf4_to_atdf2.pl -d StdFileSpec AtdfFileSpec
perl stdf4_to_atdf2.pl --debug StdFileSpec AtdfFileSpec
```

Converts the STDF file specified by StdFileSpec to the ATDF file specified by AtdfFileSpec and outputs debug information to standard output.

```
perl stdf4_to_atdf2.pl -l -d StdFileSpec AtdfFileSpec  
perl stdf4_to_atdf2.pl --log --debug StdFileSpec AtdfFileSpec
```

Converts the STDF file specified by StdFileSpec to the ATDF file specified by AtdfFileSpec and outputs log and debug information to standard output.

NOTE: Use command line redirection to capture standard output to a file.

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## DESCRIPTION

This program converts an STDF Version 4 file to an ATDF Version 2 file.

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## BINARY (STDF) TO ASCII (ATDF) CONVERSION

This program implements the BINARY to ASCII conversion as defined in the Teradyne ATDF and STDF specifications. However, the operating system and the Perl that this program executes on determines the actual binary values.

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## REQUIRES

- Perl 5.6 or newer.
- Perl core module strict.
- Perl custom module TDF.pm.

## SEE ALSO

- perl core and module documentation.
  - STDF Specification V4 published by Teradyne, Inc.
  - ATDF Specification V2 published by Teradyne, Inc.
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## AUTHORS

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## ACKNOWLEDGEMENT

The Standard Test Data Format (STDF) and ASCII Test Data Format (ATDF) specifications are the original works of Teradyne Inc.

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## KNOWN BUGS

- Does not write an ATR record to the ATDF file.
  - GDR handler is not working and has been disabled.
  - PLR handler is not working and has been disabled.
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## HISTORY

1.0.0 (200412240425) Michael Hackerott

- Created program.

1.0.1 (200402080725) Michael Hackerott

- Moved `about ( )` subroutine to `TDF.pm` module.
- Added `help ( )` subroutine.

1.1.0 (200512012020) Michael Hackerott

- Fixed endian logic.

1.1.1 (200512030625) Michael Hackerott

- Added BEGIN block to add `lib` and `../lib` to `@INC`.

1.1.2 (200512030659) Michael Hackerott

- Updated documentation.
- Fixed `debugEnabled()` logic.