

**NAME**

TIFFCurrentRow, TIFFCurrentStrip, TIFFCurrentTile, TIFFCurrentDirectory, TIFFLastDirectory, TIFFFileno, TIFFFileName, TIFFGetMode, TIFFIsTiled, TIFFIsByteSwapped, TIFFIsUpSampled, TIFFIsMSB2LSB, TIFFGetVersion – query routines

**SYNOPSIS**

```
#include <tiffio.h>
```

```
uint32 TIFFCurrentRow(TIFF* tif)
tstrip_t TIFFCurrentStrip(TIFF* tif)
ttile_t TIFFCurrentTile(TIFF* tif)
tdir_t TIFFCurrentDirectory(TIFF* tif)
int TIFFLastDirectory(TIFF* tif)
int TIFFFileno(TIFF* tif)
char* TIFFFileName(TIFF* tif)
int TIFFGetMode(TIFF* tif)
int TIFFIsTiled(TIFF* tif)
int TIFFIsByteSwapped(TIFF* tif)
int TIFFIsUpSampled(TIFF* tif)
int TIFFIsMSB2LSB(TIFF* tif)
const char* TIFFGetVersion(void)
```

**DESCRIPTION**

The following routines return status information about an open TIFF file.

*TIFFCurrentDirectory* returns the index of the current directory (directories are numbered starting at 0). This number is suitable for use with the *TIFFSetDirectory* routine.

*TIFFLastDirectory* returns a non-zero value if the current directory is the last directory in the file; otherwise zero is returned.

*TIFFCurrentRow*, *TIFFCurrentStrip*, and *TIFFCurrentTile*, return the current row, strip, and tile, respectively, that is being read or written. These values are updated each time a read or write is done.

*TIFFFileno* returns the underlying file descriptor used to access the TIFF image in the filesystem.

*TIFFFileName* returns the pathname argument passed to *TIFFOpen* or *TIFFFdOpen*.

*TIFFGetMode* returns the mode with which the underlying file was opened. On UNIX systems, this is the value passed to the *open(2)* system call.

*TIFFIsTiled* returns a non-zero value if the image data has a tiled organization. Zero is returned if the image data is organized in strips.

*TIFFIsByteSwapped* returns a non-zero value if the image data was in a different byte-order than the host machine. Zero is returned if the TIFF file and local host byte-orders are the same. Note that *TIFFReadTile()*, *TIFFReadEncodedStrip()* and *TIFFReadScanline()* functions already normally perform byte swapping to local host order if needed.

*TIFFIsUpSampled* returns a non-zero value if image data returned through the read interface routines is being up-sampled. This can be useful to applications that want to calculate I/O buffer sizes to reflect this usage (though the usual strip and tile size routines already do this).

*TIFFIsMSB2LSB* returns a non-zero value if the image data is being returned with bit 0 as the most significant bit.

*TIFFGetVersion* returns an ASCII string that has a version stamp for the TIFF library software.

**DIAGNOSTICS**

None.

QUERY(3TIFF)

QUERY(3TIFF)

**SEE ALSO**

*libtiff*(3TIFF), *TIFFOpen*(3TIFF), *TIFFFdOpen*(3TIFF)