# QUERY

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## 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

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| --- | --- |
|  | 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(), TIFFReadStrip() 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. |

## SEE ALSO

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