

NAME

fribidi_shape - do bidi-aware shaping

SYNOPSIS

```
#include <fribidi.h>
```

```
void fribidi_shape
```

```
(  
    FriBidiFlags flags,  
    const FriBidiLevel *embedding_levels,  
    const FriBidiStrIndex len,  
    FriBidiArabicProp *ar_props,  
    FriBidiChar *str  
);
```

PARAMETERS

FriBidiFlags flags

Shaping flags.

const FriBidiLevel *embedding_levels

Input list of embedding levels, as returned by `fribidi_get_par_embedding_levels`.

const FriBidiStrIndex len

Input string length.

FriBidiArabicProp *ar_props

Input/output Arabic properties as computed by `fribidi_join_arabic`.

FriBidiChar *str

String to shape.

DESCRIPTION

This function does all shaping work that depends on the resolved embedding levels of the characters. Currently it does mirroring and Arabic shaping, but the list may grow in the future. This function is a wrapper around `fribidi_shape_mirroring` and `fribidi_shape_arabic`.

The flags parameter specifies which shapings are applied. The only flags affecting the functionality of this function are those beginning with `FRIBIDI_FLAG_SHAPE_`. Of these, only `FRIBIDI_FLAG_SHAPE_MIRRORING` is on in `FRIBIDI_FLAGS_DEFAULT`. For details of the Arabic-specific flags see `fribidi_shape_arabic`. If `ar_props` is `NULL`, no Arabic shaping is performed.

Feel free to do your own shaping before or after calling this function, but you should take care of embedding levels yourself then.

SEE ALSO

fribidi_shape_arabic(3), fribidi_get_par_direction(3), fribidi_get_par_embedding_levels_ex(3), fribidi_reorder_line(3), fribidi_get_bidi_type(3), fribidi_get_bidi_types(3), fribidi_get_bidi_type_name(3), fribidi_debug_status(3), fribidi_set_debug(3), fribidi_charset_to_unicode(3), fribidi_unicode_to_charset(3), fribidi_parse_charset(3), fribidi_mirroring_status(3), fribidi_set_mirroring(3), fribidi_reorder_nsm_status(3), fribidi_set_reorder_nsm(3), fribidi_log2vis_get_embedding_levels(3), fribidi_get_type(3), fribidi_get_type_internal(3), fribidi_get_par_embedding_levels(3), fribidi_join_arabic(3), fribidi_get_joining_type(3), fribidi_get_joining_types(3), fribidi_get_joining_type_name(3), fribidi_get_mirror_char(3), fribidi_shape_mirroring(3), fribidi_get_bracket(3), fribidi_get_bracket_types(3), fribidi_remove_bidi_marks(3), fribidi_log2vis(3)