NSFont

Inherits From: NSObject

Declared In: appkit/NSFont.h

Creating and Freeing a Font Object

+ (NSFont *)**boldSystemFontOfSize:**(float)*fontSize*
> Returns the font object representing the bold system font of size *fontSize* and matrix NSFontIdentityMatrix.

+ (NSFont *)**fontWithName:**(NSString *)*fontName* **matrix:**(const float *)*fontMatrix*
> Returns a font object for font *fontName* and matrix *fontMatrix*.

+ (NSFont *)**fontWithName:**(NSString *)*fontName* **size:**(float)*fontSize*
> Returns a font object for font *fontName* of size *fontSize*.

+ (NSFont *)**systemFontOfSize:**(float)*fontSize*   Returns the font object representing the system font of size *fontSize* and matrix NSFontIdentityMatrix.

+ (NSFont *)**userFixedPitchFontOfSize:**(float)*fontSize*
> Returns the font object representing the application's fixed-pitch font of size *fontSize* and matrix NSFontIdentityMatrix.

+ (NSFont *)**userFontOfSize:**(float)*fontSize*   Returns the font object representing the application's standard font of size *fontSize* and matrix NSFontIdentityMatrix.

Setting the Font

+ (void)**setUserFixedPitchFont:**(NSFont *)*aFont* Sets the fixed-pitch font used by default in the application to *aFont*.

+ (void)**setUserFont:**(NSFont *)*aFont*   Sets the standard font used by default in the application to *aFont*.

```
+ (void)useFont:(NSString *)fontName          Registers that fontName is used in the document.
- (void)set                                   Makes this font the graphic state's current font.
```

Querying the Font

```
- (NSDictionary *)afmDictionary               Returns the font's dictionary if the font has an AFM file.
- (NSString *)afmFileContents                 Returns the font dictionary's raw contents if the font has an AFM file.
- (NSRect)boundingRectForFont                 Returns the bounding rectangle for the font.
- (NSString *)displayName                     Returns the full name of the font as displayed in the font panel.
- (NSString *)familyName                      Returns the name of the font's family.
- (NSString *)fontName                        Returns the name of the font.
- (BOOL)isBaseFont                            Indicates whether the font is the base font.
- (const float *)matrix                       Returns a pointer to an array representing the font's matrix.
- (float)pointSize                            Returns the size of the font in points.
- (NSFont *)printerFont                       Returns the printer font for the font.
- (NSFont *)screenFont                        Returns the screen font for the font.
- (float)widthOfString:(NSString *)string     Returns the width of string in the font.
- (float *)widths                             Returns a pointer to an array representing the widths of the glyphs in the
                                                 font.
```

Manipulating Glyphs

```
- (NSSize)advancementForGlyph:(NSGlyph)aGlyph
                                              Returns the horizontal and vertical advancement for aGlyph.
- (NSRect)boundingRectForGlyph:(NSGlyph)aGlyph
                                              Returns a bounding rectangle for aGlyph, scaled to the font's actual size
                                                 and matrix.
- (BOOL)glyphIsEncoded:(NSGlyph)aGlyph        Indicates whether aGlyph is encoded.
- (NSPoint)positionOfGlyph:(NSGlyph)curGlyph  Returns curGlyph's position when it follows prevGlyph
     precededByGlyph:(NSGlyph)prevGlyph          where nominal indicates whether position should be
     isNominal:(BOOL *)nominal                   nominal, i.e., not modified by kerning information.
```