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# NSMutableParagraphStyle

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| <b>Inherits From:</b> | NSParagraphStyle : NSObject   |
| <b>Conforms To:</b>   | NSCoding (NSParagraphStyle)<br>NSCopying (NSParagraphStyle)<br>NSMutableCopying (NSParagraphStyle)<br>NSObject (NSObject) |
| <b>Declared In:</b>   | AppKit/NSParagraphStyle.h   |

## Class Description

NSMutableParagraphStyle adds methods to its superclass, NSParagraphStyle, for changing the values of the sub-attributes in a paragraph style attribute. See the NSParagraphStyle and NSAttributedString specifications for more information.

## Method Types

|                                 |   |
|---------------------------------|---|
| Setting tab stops               | <ul style="list-style-type: none"><li>– setTabStops:</li><li>– addTabStop:</li><li>– removeTabStop:</li></ul>   |
| Setting other style information | <ul style="list-style-type: none"><li>– setParagraphStyle:</li><li>– setAlignment:</li><li>– setFirstLineHeadIndent:</li><li>– setHeadIndent:</li><li>– setTailIndent:</li><li>– setLineBreakMode:</li><li>– setMaximumLineHeight:</li><li>– setMinimumLineHeight:</li><li>– setLineSpacing:</li><li>– setParagraphSpacing:</li></ul> |

## Instance Methods

### **addTabStop:**

– (void)**addTabStop:**(NSTextTab \*)*tabStop*

Adds *tabStop* to the receiver.

**See also:** – **removeTabStop:**, – **setTabStops:**, – **tabStops** (NSParagraphStyle)

### **removeTabStop:**

– (void)**removeTabStop:**(NSTextTab \*)*tabStop*

Removes the first text tab whose location and type are equal to those of *tabStop*.

**See also:** – **addTabStop:**, – **setTabStops:**, – **tabStops** (NSParagraphStyle)

### **setAlignment:**

– (void)**setAlignment:**(NSTextAlignment)*alignment*

Sets the alignment of the receiver to *alignment*, which may be one of:

NSLeftTextAlignment  
NSRightTextAlignment  
NSCenterTextAlignment  
NSJustifiedTextAlignment  
NSNaturalTextAlignment

**See also:** – **alignment** (NSParagraphStyle)

### **setFirstLineHeadIndent:**

– (void)**setFirstLineHeadIndent:**(float)*aFloat*

Sets the distance in points from the leading margin of a text container to the beginning of the paragraph's first line to *aFloat*. This value must be nonnegative.

**See also:** – **setHeadIndent:**, – **setTailIndent:**, – **firstLineHeadIndent** (NSParagraphStyle)

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### **setHeadIndent:**

– (void)**setHeadIndent:(float)aFloat**

Sets the distance in points from the leading margin of a text container to the beginning of lines other than the first to *aFloat*. This value must be nonnegative.

**See also:** – **setFirstLineHeadIndent:**, – **setTailIndent:**, – **headIndent** (NSParagraphStyle)

### **setLineBreakMode:**

– (void)**setLineBreakMode:(NSLineBreakMode)mode**

Sets the mode used to break lines in a layout container to *mode*, which may be one of:

NSLineBreakByWordWrapping  
NSLineBreakByCharWrapping  
NSLineBreakByClipping  
NSLineBreakByTruncatingHead  
NSLineBreakByTruncatingTail  
NSLineBreakByTruncatingMiddle

See the description of **lineBreakMode** in the NSParagraphStyle class specification for descriptions of these values.

### **setLineSpacing:**

– (void)**setLineSpacing:(float)aFloat**

Sets the space in points added between lines within the paragraph to *aFloat*. This value must be nonnegative.

**See also:** – **setMaximumLineHeight:**, – **setMinimumLineHeight:**, – **setParagraphSpacing:**,  
– **lineSpacing** (NSParagraphStyle)

### **setMaximumLineHeight:**

– (void)**setMaximumLineHeight:(float)aFloat**

Sets the maximum height that any line in the paragraph style will occupy, regardless of the font size or size of any attached graphic, to *aFloat*. Glyphs and graphics exceeding this height will overlap neighboring lines; however, a maximum height of zero implies no line height limit. This value must be nonnegative.

**Note:** Although this limit applies to the line itself, line spacing adds extra space between adjacent lines.

**See also:** – **setMinimumLineHeight:**, – **setLineSpacing:**, – **maximumLineHeight** (NSParagraphStyle)

 **setMinimumLineHeight:**

– (void)**setMinimumLineHeight:(float)aFloat**

Sets the minimum height that any line in the paragraph style will occupy, regardless of the font size or size of any attached graphic, to *aFloat*. This value must be nonnegative.

**See also:** – **setMaximumLineHeight:**, – **setLineSpacing:**, – **minimumLineHeight** (NSParagraphStyle)

 **setParagraphSpacing:**

– (void)**setParagraphSpacing:(float)aFloat**

Sets the space added at the end of the paragraph to separate it from the following paragraph to *aFloat*. This value must be nonnegative.

**See also:** – **setLineSpacing:**, – **paragraphSpacing** (NSParagraphStyle)

 **setParagraphStyle:**

– (void)**setParagraphStyle:(NSParagraphStyle \*)aStyle**

Replaces the sub-attributes of the receiver with those in *aStyle*.

 **setTabStops:**

– (void)**setTabStops:(NSArray \*)tabStops**

Replaces the tab stops in the receiver with *tabStops*.

**See also:** – **addTabStop:**, – **removeTabStop:**, – **tabStops** (NSParagraphStyle)

 **setTailIndent:**

– (void)**setTailIndent:(float)aFloat**

Sets the distance in points from the margin of a text container to the end of lines to *aFloat*. If positive, this is the distance from the leading margin (for example, the left margin in left-to-right text). If zero or negative, it's the distance from the trailing margin.

For example, to create a paragraph style that fits exactly in a 2-inch wide container, set its head indent to 0.0 and its tail indent to 0.0. To create a paragraph style with quarter-inch margins, set its head indent to 0.25 and its tail indent to –0.25.

**See also:** – **setHeadIndent:**, – **setFirstLineHeadIndent:**, – **tailIndent** (NSParagraphStyle)