

If the NoZoom flag is set, the annotation shall always maintain the same fixed size on the screen and shall be unaffected by the magnification level at which the page itself is displayed. Similarly, if the NoRotate flag is set, the annotation shall retain its original orientation on the screen when the page is rotated (by changing the Rotate entry in the page object; see 7.7.3, “Page Tree”).

In either case, the annotation’s position shall be determined by the coordinates of the upper-left corner of its annotation rectangle, as defined by the **Rect** entry in the annotation dictionary and interpreted in the default user space of the page. When the default user space is scaled or rotated, the positions of the other three corners of the annotation rectangle are different in the altered user space than they were in the original user space. The conforming reader shall perform this alteration automatically. However, it shall not actually change the annotation’s **Rect** entry, which continues to describe the annotation’s relationship with the unscaled, unrotated user space.

NOTE Figure 58 shows how an annotation whose NoRotate flag is set remains upright when the page it is on is rotated 90 degrees clockwise. The upper-left corner of the annotation remains at the same point in default user space; the annotation pivots around that point.

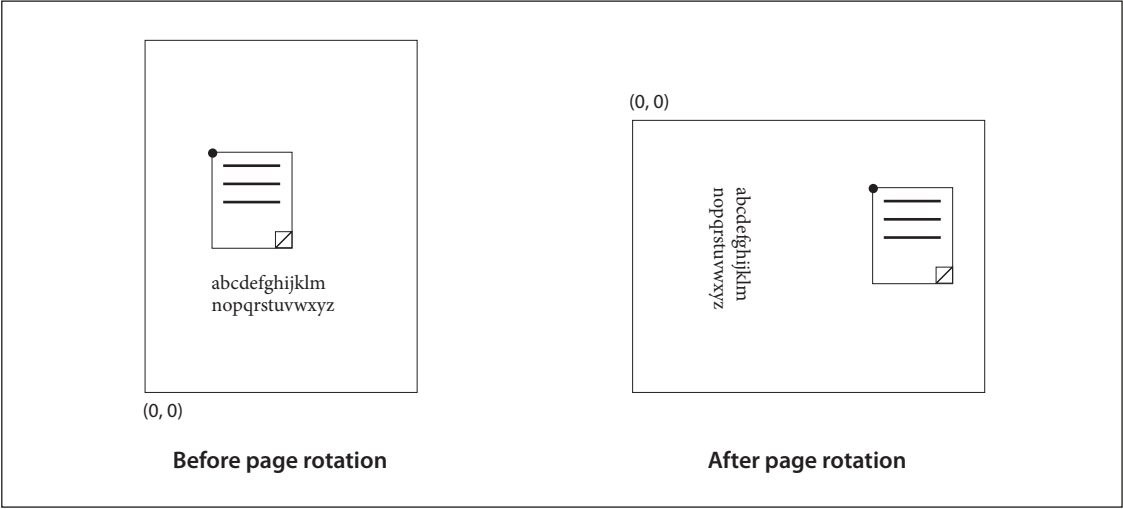


Figure 58 – Coordinate adjustment with the NoRotate flag

12.5.4 Border Styles

An annotation may optionally be surrounded by a border when displayed or printed. If present, the border shall be drawn completely inside the annotation rectangle. In PDF 1.1, the characteristics of the border shall be specified by the **Border** entry in the annotation dictionary (see Table 164). Beginning with PDF 1.2, the border characteristics for some types of annotations may instead be specified in a *border style dictionary* designated by the annotation’s **BS** entry. Such dictionaries may also be used to specify the width and dash pattern for the lines drawn by line, square, circle, and ink annotations. Table 166 summarizes the contents of the border style dictionary. If neither the **Border** nor the **BS** entry is present, the border shall be drawn as a solid line with a width of 1 point.

Table 166 – Entries in a border style dictionary

Key	Type	Value
Type	name	(Optional) The type of PDF object that this dictionary describes; if present, shall be Border for a border style dictionary.
W	number	(Optional) The border width in points. If this value is 0, no border shall drawn. Default value: 1.