

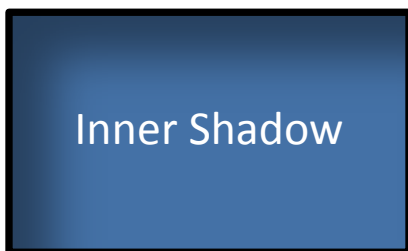
# DOCX-to-PDF Rendering Tests

Rex Jaeschke ([rex@RexJaeschke.com](mailto:rex@RexJaeschke.com))

2012-12-21

## Part 1, §20.1.8.40, “innerShdw (Inner Shadow Effect)”, p. 2862

This element specifies an inner shadow effect. A shadow is applied within the edges of the object according to the parameters given by the attributes.



## Part 1, §20.1.8.45, “outerShdw (Outer Shadow Effect)”, p. 2864

This element specifies an Outer Shadow Effect.

[*Example*: The following is an example of an outer shadow effect.



*end example*]

## Part 1, §20.1.8.50, “reflection (Reflection Effect)”, p. 2868

This element specifies a reflection effect.

[*Example*:

## DOCX-to-PDF Rendering Tests



*end example]*

### Part 1, §20.4.2.6, “effectExtent (Object Extents Including Effects)”, pp. 3100–3103

[*Example:* Consider the following DrawingML image:



This object has no effects, and hence would have the following effect extents:

```
<wp:effectExtents b="0" t="0" l="0" r="0" />
```

However, if a shadow effect was applied which added effects to the right of the image:


## DOCX-to-PDF Rendering Tests




Then the additional extent the right side would be specified in the r attribute on this element:

```
<wp:effectExtents b="0" t="0" l="0" r="695325" />
```


The r attribute has a value of 695325, specifying that that 695325 EMUs must be added to the right side of the image. *end example]*

Attributes	Description
<p>b (Additional Extent on Bottom Edge)</p>	<p>Specifies the additional length, in EMUs, which shall be added to the bottom edge of the DrawingML object to determine its actual bottom edge including effects.</p> <p>[<i>Example:</i> Consider the following DrawingML image:</p> <div style="text-align: center;">  </div> <p>This image has an effect on all four sides, resulting in the following markup:</p> <pre>&lt;wp:effectExtent l="504825" t="447675" r="771525" b="809625" /&gt;</pre> <p>The b attribute value of 809625 specifies that 809625 additional EMUs must be added to the bottom of the image to compensate for the effects on the image. <i>end example]</i></p>


## DOCX-to-PDF Rendering Tests

Attributes	Description
l (Additional Extent on Left Edge)	<p>Specifies the additional length, in EMUs, which shall be added to the bottom edge of the DrawingML object to determine its actual bottom edge including effects.</p> <p>[<i>Example:</i> Consider the following DrawingML image:</p>  <p>This image has an effect on all four sides, resulting in the following markup:</p> <pre>&lt;wp:effectExtent l="504825" t="447675" r="771525" b="809625" /&gt;</pre> <p>The l attribute value of 504825 specifies that 504825 additional EMUs must be added to the bottom of the image to compensate for the effects on the image. <i>end example</i>]</p>

## DOCX-to-PDF Rendering Tests

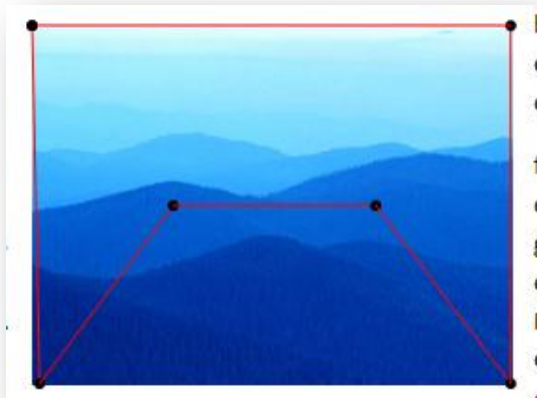
Attributes	Description
r (Additional Extent on Right Edge)	<p>Specifies the additional length, in EMUs, which shall be added to the bottom edge of the DrawingML object to determine its actual bottom edge including effects.</p> <p>[<i>Example:</i> Consider the following DrawingML image:</p>  <p>This image has an effect on all four sides, resulting in the following markup:</p> <pre>&lt;wp:effectExtent l="504825" t="447675" r="771525" b="809625" /&gt;</pre> <p>The r attribute value of 771525 specifies that 771525 additional EMUs must be added to the bottom of the image to compensate for the effects on the image. <i>end example</i>]</p>

## DOCX-to-PDF Rendering Tests

Attributes	Description
t (Additional Extent on Top Edge)	<p>Specifies the additional length, in EMUs, which shall be added to the bottom edge of the DrawingML object to determine its actual bottom edge including effects.</p> <p>[Example: Consider the following DrawingML image:</p>  <p>This image has an effect on all four sides, resulting in the following markup:</p> <pre>&lt;wp:effectExtent l="504825" t="447675" r="771525" b="809625" /&gt;</pre>

### Part 1, §20.4.2.18, “wrapThrough (Through Wrapping)”, p. 3118–3119

[Example: Consider an object with the following wrap points:

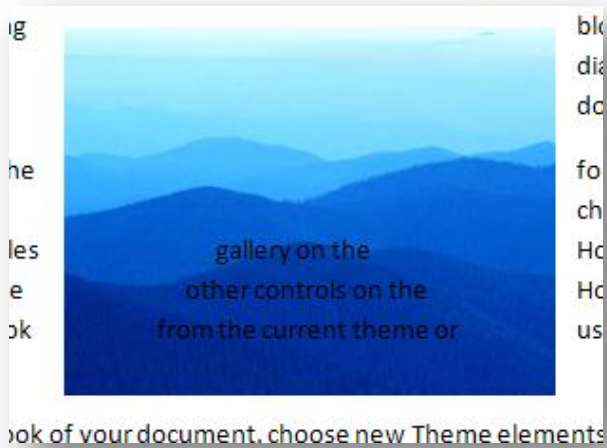


If this object uses tight wrapping, then text cannot be placed within the maximum left and right extents of the wrap polygon at any location:

## DOCX-to-PDF Rendering Tests



However, with through wrapping:

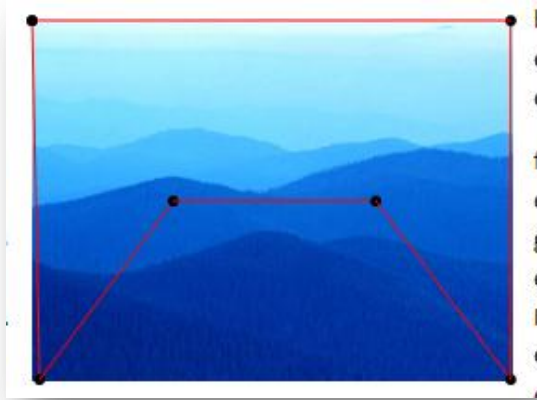


*end example]*

**Part 1, §20.4.2.19, “wrapTight (Tight Wrapping)”, pp. 3121–3122**

[*Example:* Consider an object with the following wrap points:

## DOCX-to-PDF Rendering Tests



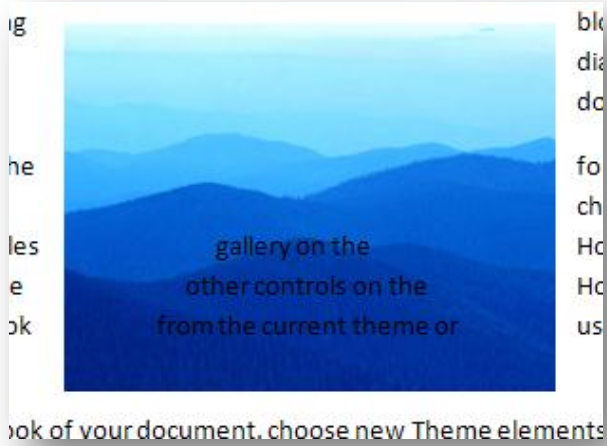
If this object uses tight wrapping, then text cannot be placed within the maximum left and right extents of the wrap polygon at any location:



However, with through wrapping:



## DOCX-to-PDF Rendering Tests



end example]

### Part 1, §L.4.3.2.10, "Effect Style List", p. 4801

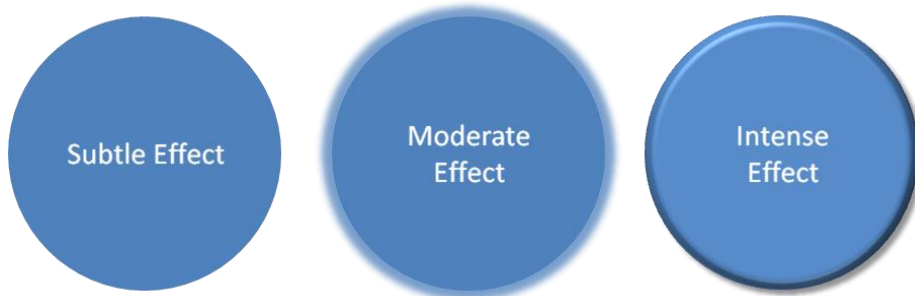


Figure 1: Subtle, moderate, and intense effects applied to a shape that has a blue fill.

### Part 1, §L.4.3.2.13, "Table Styles", p. 4801

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

## DOCX-to-PDF Rendering Tests

Figure 2: Different table styles in use.

Part 1, §L.4.5.2, "This aspect of DrawingML ...", p. 4820

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

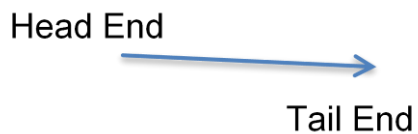
	Red	Blue	Yellow
1 <sup>st</sup> Qtr	21.5	18.3	4.5
2 <sup>nd</sup> Qtr	17.4	3.6	2.2
3 <sup>rd</sup> Qtr	9.1	19.8	7.9
4 <sup>th</sup> Qtr	12.2	13.4	12.1

Figure 3: Different table styles in use.

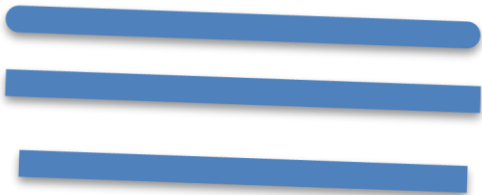
Part 1, §L.4.8.5.3, "Line Join Properties", p. 4867



Part 1, §L.4.8.5.4, "Head/Tail End Properties", p. 4867



Part 1, §L.4.8.5.5, "Line Attributes", p. 4868



## DOCX-to-PDF Rendering Tests

### Part 1, §L.4.8.6.4, "Outer Shadow", p. 4870

```
<a:effectLst>
  <a:outerShdw blurRad="50800" dist="50800"
    dir="2700000"
    sx="106000" sy="106000"
    algn="t1" rotWithShape="0">
    <a:srgbClr val="000000">
      <a:alpha val="43137"/>
    </a:srgbClr>
  </a:outerShdw>
</a:effectLst>
```



Outer shadows contain a color choice as well as several attributes:

### Part 1, §L.4.8.6.6, "Reflection Effects", p. 4871

```
<a:effectLst>
  <a:reflection blurRad="12700" stA="50000" endPos="75000"
    dist="12700" dir="5400000" sy="-100000"
    algn="bl" rotWithShape="0"/>
</a:effectLst>
```



Reflections are represented entirely through attributes:

### Part 1, §L.4.8.6.7, "Soft Edge Effects", p. 4872

```
<a:effectLst>
  <a:softEdge rad="127000"/>
</a:effectLst>
```



### Part 1, §L.4.15.3, "Data Model", p. 4912

## DOCX-to-PDF Rendering Tests



Figure 4: Example diagram with data.



Figure 5: An empty diagram in its initial state.

**Part 1, §L.6.2, “Metadata”, p. 4912**

