#### rot (Rotation)

This element defines a rotation in [3D](3D.docx) space. A rotation in DrawingML is defined through the use of a latitude coordinate, a longitude coordinate, and a revolution about the axis as the latitude and longitude coordinates.

[Example: Consider the following example of a rotation defined by the rot elements being used in a [lightRig](lightRig.docx) in DrawingML:

<a:lightRig rig="twoPt" [dir](dir.docx)="[t](t.docx)">
 <a:rot lat="0" lon="0" rev="6000000"/>
</a:lightRig>

In this example, we have only a revolution applied to the light rig [rich](rich.docx) rotates it around it's center axis. [end](end.docx) example]

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| Parent Elements |
| camera (§); [lightRig](lightRig.docx) (§) |

|  |  |
| --- | --- |
| Attributes | Description |
| lat (Latitude) | Defines the latitude value of the rotation.[Example: Consider the following example of a rot in DrawingML:<a:rot lat="0" lon="0" rev="6000000"/>In this example, we set the lat to be equal to 0. [end](end.docx) example] The possible values for this attribute are defined by the [ST\_PositiveFixedAngle](ST_PositiveFixedAngle.docx) simple type (§). |
| lon (Longitude) | Defines the longitude value of the rotation.[Example: Consider the following example of a rot in DrawingML:<a:rot lat="0" lon="0" rev="6000000"/>In this example, we set the lon to be equal to 0. [end](end.docx) example]The possible values for this attribute are defined by the [ST\_PositiveFixedAngle](ST_PositiveFixedAngle.docx) simple type (§). |
| rev (Revolution) | This attributes defines the revolution around the central axis in the rotation.[Example: Consider the following example of a rot in DrawingML:<a:rot lat="0" lon="0" rev="6000000"/>In this example, we set the rev to be equal to 6000000. [end](end.docx) example]The possible values for this attribute are defined by the [ST\_PositiveFixedAngle](ST_PositiveFixedAngle.docx) simple type (§). |

The following XML Schema fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_SphereCoords">

 <attribute [name](name.docx)="lat" type="[ST\_PositiveFixedAngle](ST_PositiveFixedAngle.docx)" use="required"/>

 <attribute [name](name.docx)="lon" type="[ST\_PositiveFixedAngle](ST_PositiveFixedAngle.docx)" use="required"/>

 <attribute [name](name.docx)="rev" type="[ST\_PositiveFixedAngle](ST_PositiveFixedAngle.docx)" use="required"/>

</complexType>