

## Public Support - Support Request #12000

### Select and change color of a point in a point cloud

2020-08-31 08:38 - hidden

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Category:</b>		
<b>Customer:</b>	AUDI	<b>Product Issue Numbers:</b>
<b>Department:</b>	EFS	<b>Affected Products:</b> ADTF 2.14.3
<b>Requester's Priority:</b>	Normal	<b>Platform:</b> Windows 10 64bit
<b>Support Level:</b>	2nd Level	<b>Topic:</b> DisplayTB::3DSceneDisplay
<b>Resolution:</b>	Solved Issue	<b>FAQ Links:</b>

#### Description

##### Supportanfrage

I have to show a huge number of points in a Point Cloud in an ADTF Mixin.

I managed to render the Point Cloud, but is there a possibility to select a single point from the cloud by a mouse click and change its color?

I am already using the cMixin::OnPick method for selecting other objects, but that works only if I draw points as osg::Geometry. The cMixin::OnPick method does not record a mouse click on a point from a Point Cloud.

Thank you in advance.

##### Lösung

As you have already found out, the built in pick mechanism relies on osgUtil::LineSegmentIntersector which can only intersect with geometries. If you're rendering the Point Cloud with raw GL commands, you're currently out of luck, sorry.

#### History

##### #3 - 2020-09-07 12:03 - hidden

Hi Nedim,

as you have already found out, the built in pick mechanism relies on osgUtil::LineSegmentIntersector which can only intersect with geometries. If you're rendering the Point Cloud with raw GL commands, you're currently out of luck, sorry.

Regards,

Martin

##### #4 - 2020-09-30 13:40 - hidden

- Subject changed from *Select and change color of a point in a Point Cloud* to *Select and change color of a point in a point cloud*

- Description updated

- Status changed from *New* to *To Be Closed*

- Private changed from *Yes* to *No*

- Topic set to *DisplayTB::3DSceneDisplay*

- Resolution set to *Solved Issue*

- Customer set to *AUDI*

- Department set to *EFS*

##### #5 - 2020-10-06 10:27 - hidden

- Status changed from *To Be Closed* to *Closed*