# Comparison between current and fix (NIE map)

- Solution Middle point between entry and exit
  - Solution description
- Solution Distant middle point between entry and exit
  - Solution description
- Calculate heading on distant points
  - Solution description

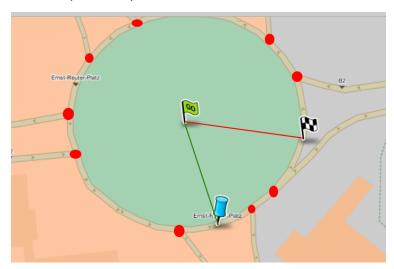
### Solution Middle point between entry and exit

#### Solution description

The angle is calculated between 3 points entry, exit and roundabout center.

Exit and entry points are the middle point on the roundabout between entry and exit.

Red dots are junctions entry/exit line connects to roundabout.



Opinion	Route	Picture	Before fix	After fix
Neutral	route	Accese Strafa  By B2  Großer Stern  Großer Stern Allee  Großer Stern Allee  Files and recedites  Files and recedites and	<pre><nie:on_route_angle>Sh arpLeft</nie:on_route_angle></pre>	<nie:on_route_angle><b>Left</b> /nie:on_route_angle&gt;</nie:on_route_angle>

Neutral	route	Emsi-Re-dus de	<nie: off_route_angles="">Straigh t, SlightRight, <b>Right</b>, SharpLeft</nie:>	<nie: off_route_angles="">Straight, SlightRight, SharpRight, SharpLeft</nie:>
Improvement	route	Abstract Aside  Prochasterager Studies  Seal of Studies  Additional Studies  Additional Studies  Additional Studies	<nie:on_route_angle>Sh arpLefton_route_angle&gt; <nie:off_route_angles>St raight, Rightoff_route_angles&gt;</nie:off_route_angles></nie:on_route_angle>	<pre><nie:on_route_angle>Sligh tLeft</nie:on_route_angle> <nie:off_route_angles>Slig htRight, Right, SharpLeft</nie:off_route_angles></pre> /nie:off_route_angles>
Neutral	route		<nie:on_route_angle>Str aighton_route_angle&gt;</nie:on_route_angle>	<nie:on_route_angle><b>Sligh</b> tLeft</nie:on_route_angle>



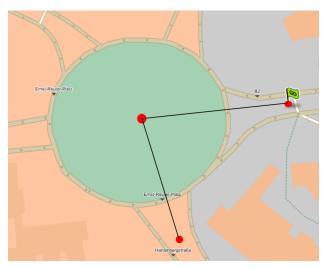
## Solution Distant middle point between entry and exit

#### Solution description

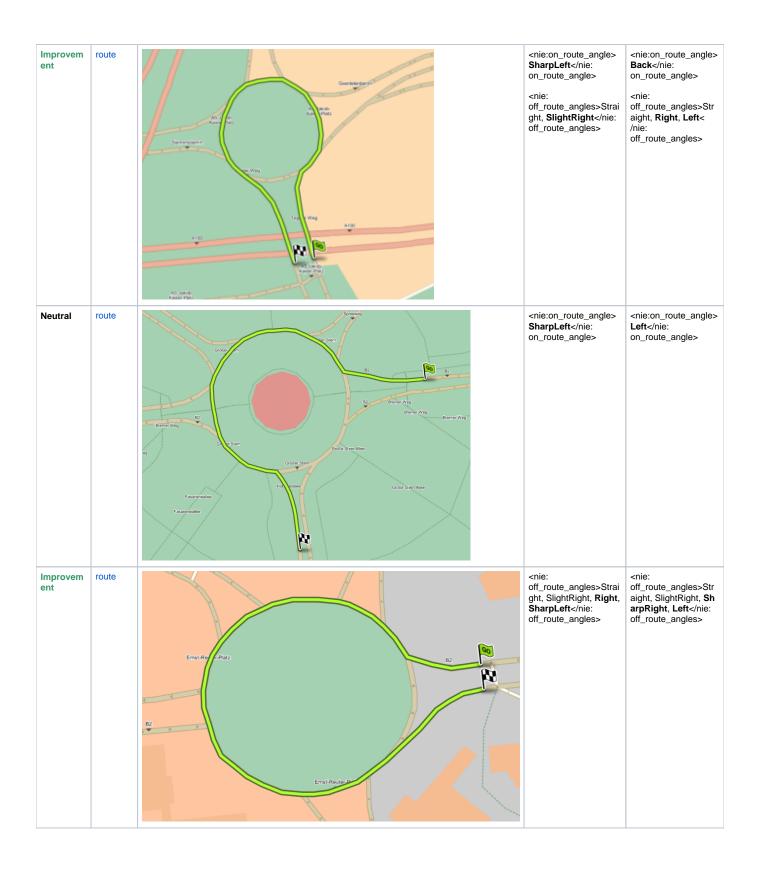
The angle is calculated between 3 points entry, exit and roundabout center.

Exit and entry points are the middle point between distant points on entry and exit.

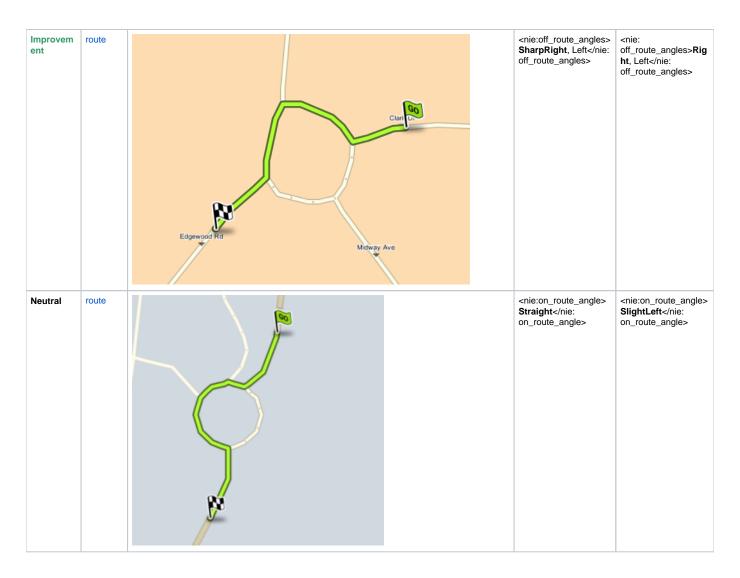
Example of such middle point.



Opinion	Route	Picture	Before fix	After fix
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Improvement	route	rate Sa Barrate  Musser Tor  Reichenberger  Kombusser Straße	<pre><nie:on_route_angle> SharpRight <nie:off_route_angles> SlightRight, Right, Sli ghtLeft, SharpLeft</nie:off_route_angles></nie:on_route_angle></pre> /nie:off_route_angles>	<nie:on_route_angle> Back <nie: off_route_angles="">Str aight, Right, SharpRi ght, Left</nie:></nie:on_route_angle>
Improvement	route	Accident final a	<nie:on_route_angle> SharpLeft <nie: off_route_angles="">Strai ght, Right</nie:></nie:on_route_angle>	<nie:on_route_angle> Left <nie: off_route_angles="">Str aight, Right, SharpLe ft</nie:></nie:on_route_angle>
Neutral	route	Warry Ad	<nie:off_route_angles> Right, SharpRight, Left</nie:off_route_angles>	<nie: off_route_angles=""><b>Slig</b> htRight, SharpRight, Left</nie:>



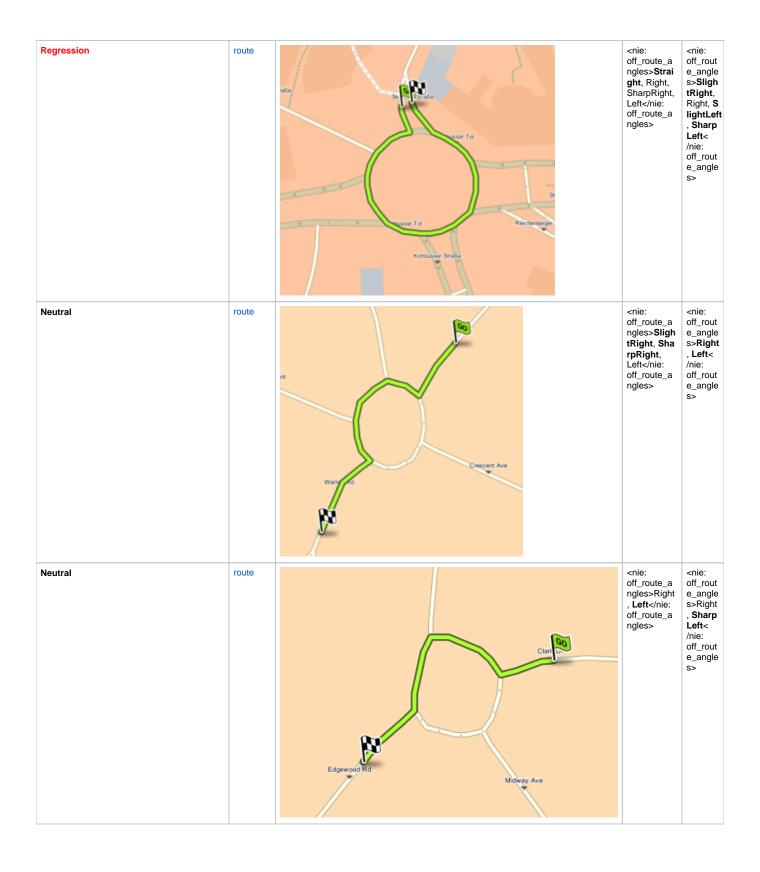
## Calculate heading on distant points

### Solution description

It is kind of improving original solution but instead of calculating relative angle between entry and exit on arc base the distant point heading is used.



Opinion	Route	Picture	Solution Distant middle point between entry and exit	New fix
Neutral	route	Coordinates in Action Action Many May May May May May May May May Action	<nie: off_route_a ngles&gt;Strai ght, <b>Right</b>, Left</nie:  off_route_a ngles>	<nie: e_angle="" off_rout="" s="">Strai ght, Sli ghtRig ht, Left</nie:>
Improvement Such situation can also be fixed via de duplication NAV-78876 - Getting issue details STATUS	route	Heinrich-Grüber-Straße  Heinrich-Grüber-Platz  Wäh	<nie: ngles="" off_route_a="">Shar pRight, SlightLeft</nie:>	<nie: e_angle="" off_rout="" s="">Shar pRight, SlightLe ft, Left</nie:>
Regression	route	Erras Rev Putz	<nie: ngles="" off_route_a="">Strai ght, SlightRight, SharpRight , Left</nie:>	<nie: e_angle="" off_rout="" s="">Strai ght, SlightRi ght, Sha rpLeft&lt; /nie: off_rout e_angle s&gt;</nie:>



Neutral route		<nie: ngle="" on_route_a="">Slight Left</nie:> SlightR ight< inhie: on_rout e_angle: on_rout e_angle:
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