

# Isoschrone API Mapping Documentation [en]

- **bold** = Default Value
- *italic* = function
- ***bold\_italic*** = mapping not possible
- [*i*] = Given JSONObject in the JSONArray
- < ... > = final property that holds value(s)
- "Request Parameter" = data that is passed along in a request to the proxy, but not used by Graphhopper directly. This information is only used in the mappings. Serves the purpose of filling holes of information that is not included in a Graphhopper response

## Mapbox Isochrone Response Object

Mapbox	needed type	Used Graphhopper Data	type	Conversion	Comment
features	GeoJSON Feature Collection				

## Feature Object

Mapbox	needed type	Used Graphhopper Data	type	Conversion	Comment
type	String			<b>Feature</b>	
properties	Properties Object				
geometry	Geometry Object				

## Properties Object

Mapbox	needed type	Used Graphhopper Data	type	Conversion	Comment
contour	Integer	polygons[ <i>i</i> ].properties.<bucket>  Request Parameter: buckets	Integer	<i>getContourMinutes()</i>  returns total time multiplied by fraction (current bucket in totalAmountOfBuckets)  example: total_time = 60 minutes, amountOfBuckets = 2, minutes_first_contour = (1/2) * 60 = 30	Buckets: describes the amount of different intervals for which a polygon is created
color	String (#..)	Request Parameter: contours_colors	Array<String>	<i>getContourColor()</i>  returns specified color in passed contours_colors Array for current bucket (Default = #ff0000 (red))	Colors are not specified in a GH request. The contours_colors parameter is just used by the mapper, and not by GH itself.
opacity	Double		Double	<b>0.33</b>	This is not parameterized since Mapbox also uses <b>0.33</b> as a default with no option to change
fill	String (#...)	(See .color)			
fill-opacity	Double	(See .opacity)			
fillColor	String (#...)	(See .color)			
fillOpacity	Double	(See .opacity)			

## Geometry Object

Mapbox	needed type	Used Graphhopper Data	type	Conversion	Comment
geometry.coordinates	Array<Double>	polygons[ <i>i</i> ].geometry.<cooridantes>	Array<Double>	No conversion needed	
geometry.type	String		String	<b>Polygon</b>	