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| --- | --- | --- | --- |
|  | Field | Type | Explanation |
| mapinfo | version | String | The version of the roadmap. |
| unit | String | The coordinate unit of the map:MM,M. |
|  | Field | Type | Explanation |
| nodes | tagid | String | The QR code number of the node,when the node represents a QR code. |
| code | String | The unique number of the node. |
| x | double | x coordinate. |
| y | double | y coordinate. |
| z | double | z coordinate. |
| type | String | LANE("A road node"),  STORE("A node for storing goods"),  CHARGE("A node represent a charge station"),  AGV\_STATION("A node of robot station"),  PARK("A node for idle robot park"),  DOOR("A node represent a door"). |
| tier | int | The tier of the node：1 2 3 4……. |
| area | String | An area label corresponding to the area where the robot can move. |
| preNode | String | The front node of the node, used for some special processing. |
|  | Field | Type | Explanation |
| lines | snode | String | The starting node number of the line. |
| enode | String | The ending node number of the line. |
| maxV | double | Robot maximum travel speed limit. |
| dir | boolean | False:unidirectional;True:bilateral. |
| type | String | The type of the line. STRAIGHT("Straight lane"),ARC("Standard arc"),BEZIER("Bezier curve"). |
| arcR | double | Radius length of arc.(type=ARC) |
| sAngle | double | Starting angle of arc.(type=ARC) |
| allAngle | double | The total angle of the arc.(type=ARC) |
| arcCenterX | double | X coordinate of arc center point.(type=ARC) |
| arcCenterY | double | Y coordinate of arc center point.(type=ARC) |
| code | String | The unique number of the line. |