


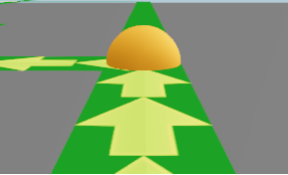
plugin-patrol-controls

npm@latest v2.9.10

路径巡检控制器。

样例

巡检进度  7.35 %



| | |
|--------|-------------------------------------|
| 飞向起始点 | <input checked="" type="checkbox"/> |
| 设置巡检进度 | 0.5 |
| 眼睛高度 | 150 |
| 巡检速度 | 1 |
| 转角速度 | 1 |
| 开始巡检 | |
| 新建 | |

Close Controls

objects 567
triangles 378836
vertices 214423
frametime 0.80 ms



安装

```
npm install @soonspacejs/plugin-patrol-controls -S
# or
yarn add @soonspacejs/plugin-patrol-controls -S
```

sh

使用方法

☰ SoonSpace.js 2.x

```
import PatrolControlsPlugin from '@soonpacejs/plugin-patrol-controls';

const ssp = new SoonSpace({
  el: '#view',
  options: {},
  events: {},
});

const patrolControls = ssp.registerPlugin(
  PatrolControlsPlugin,
  'patrolControls'
);
console.log(patrolControls);
```

方法

start

开始巡检。

定义

```
type ProgressParams = {
  patrolled: number;
  total: number;
  percent: number;
}

interface StartOptions = {
  eyeHeight?: number | undefined;
  naviSpeed?: number | undefined;
  rotateSpeed?: number | undefined;
  flyToStartPoint?: boolean | undefined;
  onUpdate?: ((realTimePosition: Position, realTimeRotation: Euler, nextNode: Node) => void) | undefined;
  onProgress?: ((params: ProgressParams) => void) | undefined;
  onEnd?: ((endPosition: Position) => void) | undefined;
}
```

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用法

```
patrolControls.start(  
  // path  
  shortestPath.  
  // options  
  {  
    naviSpeed: 1,  
    rotateSpeed: 1,  
    eyeHeight: 100,  
    flyToStartPoint: true,  
    onUpdate: (realTimePosition) => {  
      console.log(realTimePosition)  
    },  
    onProgress: ({ percent }) => {  
      console.log('巡检进度', percent)  
    },  
    onEnd: (endPosition) => {  
      console.log('巡检结束!', endPosition)  
    }  
  }  
)
```

参数

path

- 描述: 用于自动巡检的路径
- 必填: ✓
- 类型: `Topology`

options

- 描述: 可配置项
- 必填: ✓
- 类型: `StartOptions`

StartOptions

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| | | | | |
|-----------------|-------------|--|---|------|
| naviSpeed | 巡检时导航速度 | number | X | 1 |
| rotateSpeed | 视角旋转速度 | number | X | 1 |
| eyeHeight | 眼睛高度 | number | X | 100 |
| flyToStartPoint | 是否飞向起始点位置 | boolean | X | true |
| onUpdate | 巡检时实时更新回调函数 | (realTimePosition: Position, realTimeRotation: Euler, nextNode: Node, toNextNodeDistance: number) => void; | X | |
| onProgress | 巡检进度回调 | (params: ProgressParams) => void | X | |
| onEnd | 巡检结束回调函数 | (endPosition: Position) => void | X | |

setProgress

v2.6.1

设置巡检进度

定义

```
/**
 * @param percent 0 - 1 (不包含 1)
 */
function setProgress(percent: number): void;
```

用法

```
patrolControls.setProgress(0.5);
```

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setOptions

动态设置巡检参数

定义

```
type ResetOptions = Pick<
  StartOptions,
  'eyeHeight' | 'naviSpeed' | 'rotateSpeed'
>;

function setOptions(options: ResetOptions): void;
```

ts

用法

```
patrolControls.setOptions({
  naviSpeed: 1,
  rotateSpeed: 1,
  eyeHeight: 100,
});
```

js

stop

结束巡检。

用法

```
patrolControls.stop();
```

js

pause

暂停巡检。

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用法

```
patrolControls.pause();
```

js

resume

继续巡检。

用法

```
patrolControls.resume();
```

js

← [plugin-drawing-shape](#)

[plugin-drawing-topology](#) →