

# React Spring Parallax

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# Installation/Introduction

- `npm i @react-spring/parallax`
- Primarily for web applications
- Component that creates a scrollable container
- Interactive animations triggered by `userEvents`
- Helps create immersive web experiences

# Demo

Demo

Link: <https://github.com/ChunhBi/ReactSpringParallaxExample>

# Usage

```
import { Parallax, ParallaxLayer } from '@react-spring/parallax'
import { useRef } from 'react';

const Example = () => {
  const ref = useRef()
  return (
    <Parallax pages={3} ref={ref}>
      <ParallaxLayer offset={0} speed={2.5}>
        <p>Layers can contain anything</p>
      </ParallaxLayer>

      <ParallaxLayer offset={1} speed={-2} factor={1.5} horizontal />

      <ParallaxLayer sticky={{ start: 1, end: 2 }} />

      <ParallaxLayer offset={2} speed={1}>
        <button onClick={() => ref.current.scrollTo(0)}>Scroll to top</button>
      </ParallaxLayer>
    </Parallax>
  )
}
```

# Parallax Reference

All props that can be passed to **HTMLDivElement** can be passed to **Parallax**.

Prop	Type	Default	
pages	number	–	Size of the webpage
config	SpringConfig   (key: string) => SpringConfig	object	
enabled	boolean	true	
horizontal	boolean	false	
innerStyle	CSSProperties	–	

# Parallax Layer Reference

All props that can be passed to **HTMLDivElement** can be passed to **Parallax Layer**.

Prop	Type	Default	
horizontal	boolean	false	
factor	number	1	Size of element relative to page
offset	number	0	Relative position in Parallax
speed	number	0	Negative: along scrolling direction
sticky	StickyConfig	–	<pre>{   start?: number; // starting offset   end?: number; // ending offset }</pre>

# Notice

Only the last Parallax will react to scrolls

Parallax Layer with a speed of -1 will still react to scrolls but it will float at fixed position of web regardless of offset

# Should you use Parallax?

- Yes
- Easier implementation of scrollable components
- Unique & Eye-catching Designs
  - Adds depth and immersion
  - Gives wide range of controls on animations
    - Speed Rate/Offsets/Styling



# References

useRef(): [https://www.w3schools.com/react/react\\_useref.asp](https://www.w3schools.com/react/react_useref.asp)

Parallax: <https://www.react-spring.dev/docs/components/parallax>

Usage: <https://www.npmjs.com/package/@react-spring/parallax>

**Thank you!**