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react-calculator-latex

A React library for creating a calculator with LaTeX rendering support.

Installation

You can install the package via npm:

```
npm install react-calculator-latex
```

Usage

Calculator Component

The Calculator component provides a user interface for inputting expressions and displaying the result with LaTeX rendering.

Types and Components Documentation

CalculatorContent Component

```
import { CalculatorContentProps } from "../lib/types";
/**
  * A React component that renders the calculator input and integrates core
functionality.
  *
  * @param {CalculatorContentProps} props - The props for the CalculatorContent
component.
  * @param {Calculator} props.calculator - The calculator instance to use.
```

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```
* @param {string} [props.className=""] - Optional CSS class for the wrapper div.
  * @param {React.CSSProperties} [props.style={}] - Optional inline styles for the
  wrapper div.
  * @param {string} [props.inputClassName=""] - Optional CSS class for the input
  element.
  * @param {React.CSSProperties} [props.inputStyle={}] - Optional inline styles for
  the input element.
  */
  export default function CalculatorContent({ calculator, className, style,
  inputClassName, inputStyle, }: CalculatorContentProps): import("react/jsx-
  runtime").JSX.Element;
```

Calculator Display Component

```
import { CalculatorDisplayProps } from "../lib/types";
/**
 * Component for displaying the calculated expression using KaTeX.
 *
 * @param {CalculatorDisplayProps} props - Props for CalculatorDisplay.
 * @param {string} props.expression - The mathematical expression to render.
 */
declare const CalculatorDisplay: ({ expression }: CalculatorDisplayProps) =>
import("react/jsx-runtime").JSX.Element;
export default CalculatorDisplay;
```

useCalculator hook

```
import { Calculator, CalculatorOptions } from "../lib/types";
/**
 * Custom hook to create and manage a calculator instance.
 *
 * @param {CalculatorOptions} [options] - Configuration options for the calculator.
 * @returns {Calculator} An object with calculator functionality.
 */
export declare const useCalculator: (options?: CalculatorOptions) => Calculator;
```