

# clampToZero()

Replaces the components of a `p5.Vector` that are very close to zero with zero.

In computers, handling numbers with decimals can give slightly imprecise answers due to the way those numbers are represented. This can make it hard to check if a number is zero, as it may be close but not exactly zero. This method rounds very close numbers to zero to make those checks easier

[https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\\_Objects/Number/EPSILON](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number/EPSILON)

## Returns

`p5.Vector`: with components very close to zero replaced with zero.

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## Related References

### add

Adds to a vector's x, y, and z components.

### angleBetween

Calculates the angle between two vectors.

### array

Returns the vector's components as an array of numbers.

### clampToZero

Replaces the components of a `p5.Vector` that are very close to zero with zero.

## p5.js

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