Package ‘pluscode’

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Type Package
Title Encoder for Google ‘Pluscodes’
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Description Retrieves a ‘pluscode’ by inputting latitude and longitude. Includes additional functions to retrieve neighbouring ‘pluscodes’.
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pluscode_eastneighbour

Pluscode East Neighbour

Description
This package retrieves the easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_eastneighbour(pluscode)

Arguments
pluscode  A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_eastneighbour("9C4MGC2M+H4")

pluscode_encode

Pluscode Encoder

Description
This package retrieves a pluscode by inputting latitude and longitude

Usage
pluscode_encode(lats, lngs, precision)

Arguments
lats  A valid latitude within the range -90 to 90
lngs  A valid latitude within the range -180 to 180
precision  Options are 2, 4, 8, or 10

Examples
pluscode_encode(52.501450, -6.567180, 8)
**pluscode_neighbours**

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### Description

This function retrieves the neighbouring pluscodes of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included).

### Usage

```
pluscode_neighbours(pluscode)
```

### Arguments

- **pluscode**: A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included).

### Examples

```
pluscode_neighbours("9C4MGC2M+H4")
```

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**pluscode_northeastneighbour**

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### Description

This package retrieves the north-easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included).

### Usage

```
pluscode_northeastneighbour(pluscode)
```

### Arguments

- **pluscode**: A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included).

### Examples

```
pluscode_northeastneighbour("9C4MGC2M+H4")
```
pluscode_northneighbour

Description
This package retrieves the northerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_northneighbour(pluscode)

Arguments
pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_northneighbour("9C4MG2M+H4")

pluscode_northwestneighbour

Description
This package retrieves the north-westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_northwestneighbour(pluscode)

Arguments
pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_northwestneighbour("9C4MG2M+H4")
pluscode_southeastneighbour

Description
This package retrieves the south-easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_southeastneighbour(pluscode)

Arguments
pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_southeastneighbour("9C4MGC2M+H4")

pluscode_southneighbour

Description
This package retrieves the southerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_southneighbour(pluscode)

Arguments
pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_southneighbour("9C4MGC2M+H4")
pluscode_southwestneighbour

Pluscode Southwest Neighbour

Description
This package retrieves the south-westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_southwestneighbour(pluscode)

Arguments
pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_southwestneighbour("9C4MGC2M+H4")

pluscode_westneighbour

Pluscode West Neighbour

Description
This package retrieves the westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_westneighbour(pluscode)

Arguments
pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_westneighbour("9C4MGC2M+H4")
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