

Latitude to Locator

Latlong to Locator (Gridsquare) PHP Example

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<?php

// Example Lat/Long aka I091js
$latitude = "51.756435";
$longitude = "-1.246042";

echo latlong_to_locator($latitude, $longitude);

function latlong_to_locator ($latitude, $longitude) {

    /*
     * Converts WGS84 coordinates into the corresponding Maidenhead Locator
     * Inputs:-
     *   $latitude
     *   $longitude
     */

    if ($longitude >= 180 || $longitude <= -180) {
        return "Longitude Value Incorrect";
    }

    if ($latitude >= 90 || $latitude <= -90) {
        return "Latitude Value Incorrect";
    }

    $longitude += 180;
    $latitude += 90;

    $letterA = ord('A');
    $numberZero = ord('0');

    $locator = chr($letterA + intval($longitude / 20));
    $locator .= chr($letterA + intval($latitude / 10));
    $locator .= chr($numberZero + intval(($longitude % 20) / 2));
    $locator .= chr($numberZero + intval($latitude % 10));
    $locator .= chr($letterA + intval(($longitude - intval($longitude / 2) *
2) / (2 / 24)));
    $locator .= chr($letterA + intval(($latitude - intval($latitude / 1) * 1 )
/ (1 / 24)));

    return $locator;
}

?>
```

```
</php>
```

Quelle: <https://gist.github.com/magicbug/bf27fc2c9908eb114b4a>

From:

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Last update: **06/01/2022 13:27**

