Package 'UnitCircle'

October 12, 2022

Type Package
Title Check if Roots of a Polynomial Lie Outside the Unit Circle
Version 0.1.3
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Description The uc.check() function checks whether the roots of a given polynomial lie outside the Unit circle. You can also easily draw an unit circle.
License GPL-3
Encoding UTF-8
RoxygenNote 6.0.1
<pre>URL https://github.com/BerriJ/UnitCircle</pre>
<pre>BugReports https://github.com/BerriJ/UnitCircle/issues</pre>
NeedsCompilation no
Repository CRAN
Date/Publication 2018-07-27 21:30:02 UTC
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uc.check Check if Roots of a Polynomial Lie Outside the Unit Circle

Description

This function outputs the roots of a given polynomial. It also checks whether they lie outside the unit circle and creates a plot to illustrate the results in an intuitive way.

2 uc.check

Usage

```
uc.check(pol_, plot_output = T, print_output = T)
```

Arguments

pol_ the vector of polynomial coefficients in increasing order.

plot_output Logical that defines whether to create a plot.

print_output Logical that defines whether to print the results.

Examples

```
uc.check(pol_ = c(1,0,0.999999999), plot_output = FALSE)
uc.check(pol_ = c(2,0,2.2,-3), plot_output = TRUE)
```

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