
Subject: Re: New package MathTools
Posted by [peterh](#) on Wed, 24 Apr 2019 11:29:12 GMT
[View Forum Message](#) <> [Reply to Message](#)

Results of stress-test:

```
1||0 = 0
0||0 Error Division by zero
-1||0 Error Division by zero
-1 || -1 Error Division by zero
1||1 = 0.5
```

If $(arg1 * arg2) = 0$ then the result is 0, else the result is $arg1*arg2/(arg1+arg2)$. :roll:

And yes, there are negative resistors.

A negative resistor produces energy and gets cold when it does so. :d
Unfortunately it is not available as discrete component. It stops working when it gets cold, that is the technological problem and causes resistor noise. :d :d
I am kidding :d

To be serious:
For example the input impedance of an amplifier with positive feedback can be negative.

Negative resistors can exist in active circuits only as a mathemathik intermediate result.
This means only two complementary resistor values should lead to division by zero e.g. $-1||1 =$ infinite resistance = division by zero.
