Subject: Re: unwrap modulo 2pi
Posted by Randall Skelton on Wed, 07 Feb 2001 19:48:10 GMT
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Modulo Operator Notes

quotient: q = a / b
remainder: r = a mod b

So,

a	b	a/b	a mod b
10	3	3	1
3	10	0	3
-10	-3	-3	-1

It is *always* true that a = q*b + r with abs(r) < abs(b) and b neq 0

Randall

graham_wilson@my-deja.com wrote:
> My appologies for not being explicit enough...
>
> IDL> a=[2,4,6,8,10,12]
> IDL> a=[2.,4.,6.,8.,10.,12.]
> IDL> b=2*!PI
> IDL> c=a mod b
> IDL> print, c
> 2.00000 4.00000 6.00000 1.71681 3.71681 5.71681
>
> What I mean by 'unwraping' is: Given I know 'c' and 'b' how do I
> explicitly find a?
>