

## CoCoA-5 - Design #534

### Remove float.cpkg5

10 Apr 2014 00:44 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	10 Apr 2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Cleaning	<b>Estimated time:</b>	5.00 hours
<b>Target version:</b>	CoCoA-5.1.0 Easter14	<b>Spent time:</b>	6.00 hours
<b>Description</b> All the fns which were exported by float.cpkg5 are now in CoCoALib.  Remove float.cpkg5?			
<b>Related issues:</b>			
Related to CoCoALib - Feature #533: Convert BigInt/BigRat to string		<b>Closed</b>	<b>10 Apr 2014</b>
Related to CoCoA-5 - Feature #419: FloatStr		<b>Closed</b>	<b>06 Jan 2014</b>

### History

#### #1 - 10 Apr 2014 00:47 - John Abbott

- Status changed from New to In Progress
- Assignee set to John Abbott
- % Done changed from 0 to 30
- Estimated time set to 5.00 h

It seems to be mostly impl'ed (in file decimal.C); not documented though!

There is disagreement about what DecimalStr should do precisely.

I have implemented FixedStr (temporary name!) to mimic DecimalStr as it was defined in float.cpkg5.

Decide exactly which fns we want (with exact semantics); implement cleanly, and document!

#### #2 - 11 Apr 2014 16:02 - John Abbott

- Status changed from In Progress to Feedback
- % Done changed from 30 to 90

DecimalStr etc now implemented in CoCoALib.

I note that the package contains two non exported fns: Atan and Pi.  
Do we want to keep these?

**20140424** I see no point in keeping Atan and Pi.

#### #3 - 16 Apr 2014 08:50 - Anna Maria Bigatti

- *Target version changed from CoCoA-5.1.1 Seoul14 to CoCoA-5.1.0 Easter14*

**#4 - 16 Apr 2014 12:34 - Anna Maria Bigatti**

[I've already written this in [#419](#)]

I tested the new **DecimalStr**: I'd prefer 3 digits after "." by default (instead of 4).  
I find it more natural to group digits in 3.

**#5 - 24 Apr 2014 19:09 - John Abbott**

- *Status changed from Feedback to Closed*

- *% Done changed from 90 to 100*

I have now removed float.cpkg5.  
Everything seems to work just fine.  
Checked/updated doc too.