

## CoCoALib - Design #404

### deg(F,X) instead of MaxExponent(F,X) ?

09 Oct 2013 18:14 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	09 Oct 2013
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Renaming	<b>Estimated time:</b>	2.00 hours
<b>Target version:</b>	CoCoALib-0.99533 Easter14	<b>Spent time:</b>	2.50 hours
<b>Description</b>			
Currently CoCoALib has a fn called <b>MaxExponent</b> which computes the degree of a poly in an indet.			
Can we rename this fn to <b>deg</b> ?			
Are there any potential pitfalls? Note that C5 understands deg(f,x) apparently without any problems.			

### History

#### #1 - 10 Oct 2013 12:42 - John Abbott

- Subject changed from *deg(F,X) MaxExponent(F,X)* to *deg(F,X) instead of MaxExponent(F,X) ?*

The fn for computing the degree of an indet in a PP is called **exponent** (presumably the name was chosen after the fn **exponents**).

Should the fn for PPs also be called deg? It seems unhelpful to use a different name. JAA thinks that deg is more natural; but what should exponents be called?

Example: currently `MaxExponent(f,x)` `exponent(LPP(f),x)` with the right term ordering

Example: could become `deg(f,x)` `deg(LPP (f),x)` [space in LPP (f) because of redmine BUG]

#### #2 - 29 Oct 2013 13:08 - Anna Maria Bigatti

- Target version set to *CoCoALib-0.99532*

#### #3 - 02 Apr 2014 07:48 - Anna Maria Bigatti

- Target version changed from *CoCoALib-0.99532* to *CoCoALib-0.99533 Easter14*

#### #4 - 11 Apr 2014 17:57 - John Abbott

- Target version changed from *CoCoALib-0.99533 Easter14* to *CoCoALib-0.99534 Seoul14*

#### #5 - 14 May 2014 17:29 - John Abbott

- Status changed from *New* to *Feedback*

- Assignee set to *John Abbott*

- % Done changed from *0* to *90*

- Estimated time set to *2.00 h*

No problems arose when I made the change.

Status -> feedback

**#6 - 20 May 2014 09:47 - John Abbott**

- *Status changed from Feedback to Closed*

- *Target version changed from CoCoALib-0.99534 Seoul14 to CoCoALib-0.99533 Easter14*

- *% Done changed from 90 to 100*