

## CoCoA-5 - Support #1480

### Documentation for making ring with parameters

11 Aug 2020 12:21 - John Abbott

<b>Status:</b>	New	<b>Start date:</b>	11 Aug 2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Manual/documentation	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoA-5.4.2	<b>Spent time:</b>	0.20 hour
<b>Description</b>			
<p>I was recently asked how to compute with parameters. It is not easy to find this out from the documentation. So make better doc!</p> <p>Here is the example I created "on the fly":</p> <pre>/**/ Qa ::= QQ[a]; /**/ k := NewFractionField(Qa); /**/ P ::= k[x,y]; /**/ use P; /**/ I := ideal(x^2+y^2-a^2, x-y); /**/ ReducedGBasis(I); [x -y, y^2 +(-a^2)/2] /**/ I := ideal(x^2+y^2-a^2, a*x-y); /**/ ReducedGBasis(I); [x +(-1/a)*y, y^2 +(-a^4)/(a^2 +1)]</pre>			

#### History

##### #1 - 11 Aug 2020 12:21 - John Abbott

- Category set to Manual/documentation

- Target version set to CoCoA-5.4.0

##### #2 - 03 Feb 2022 20:18 - John Abbott

- Target version changed from CoCoA-5.4.0 to CoCoA-5.4.2