

## CoCoALib - Feature #69

Feature # 39 (Closed): Squarefree factorization

Feature # 43 (Closed): Squarefree factorization - for polynomials

Feature # 44 (Closed): Squarefree factorization - univariate polynomials

Feature # 46 (Closed): Squarefree factorization - univariate polynomials, char  $p > 0$

### p-th root

20 Dec 2011 11:38 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	20 Dec 2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	New Function	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoALib-0.9952	<b>Spent time:</b>	0.20 hour
<b>Description</b>			
Fields of finite characteristic need a p-th root function.			
It won't be easy implementing this in general; the case of a finite field is relatively easy.			
<b>Related issues:</b>			
Related to CoCoALib - Feature #49: Squarefree factorization - multivariate po...		<b>Closed</b>	<b>30 Nov 2011</b>
Related to CoCoALib - Feature #107: Recognizing finite fields		<b>Closed</b>	<b>19 Mar 2012</b>

### History

#### #1 - 20 Dec 2011 11:40 - John Abbott

Also want a convenient way of computing p-th roots of polys over a field of finite characteristic.

#### #2 - 07 May 2012 11:59 - John Abbott

- Status changed from New to Closed

This issue has effectively been replaced by [#107](#).

#### #3 - 01 Jun 2012 18:31 - Anna Maria Bigatti

- % Done changed from 0 to 100

#### #4 - 04 Jul 2012 10:48 - Anna Maria Bigatti

- Category set to New Function

- Assignee set to John Abbott

- Target version set to CoCoALib-0.9952