

Re: MuPad 3.0 extraction of individual eigenvectors

Source: <http://sci.tech-archive.net/Archive/sci.math.symbolic/2004-11/0079.html>

From: Brad Cooper (*Brad.Cooper_17_at_bigpond.com*)

Date: 11/14/04

Date: Sun, 14 Nov 2004 08:02:49 GMT

> > *John's idea of point and click to extract arguments has merit. Of course you still want procedures you can embed in code that you may need to write.*
In
> > *that case, the aforementioned use of op, map and indexing is still required.*
>
> *I may have misinterpreted John, but I thought he was talking about a way of asking MuPAD "if I wanted to extract this, what call would I need?"*

I re-read what John wrote. I did misinterpret what he wrote – sorry about that.

> *I have absolutely no idea why someone would try to put the eigenvectors of a matrix into linalg::orthog.*

Actually, I only wanted to use Gramm–Schmidt to orthogonalise 2 eigenvectors.

I just used as simple an example as possible which illustrated the problem.

> *I do agree that MuPAD's various functions do not yet do a really good job of accepting one another's output, but as for transforming them, I'm afraid the main problem is finding good examples of things that can be explained, yet do not work out of the box anyway.*

Since op and subs are so important for the user to be able to use information from one command to the next I have suggested some emphasis of this in the Help examples for these two commands. I am not suggesting transforming things which I think are pretty goods they are. With further thought, I believe my earlier suggestion of an extra document is not required.

I hope you find the suggestion useful.

Cheers,
Brad

> *Regards,*
> *Christopher Creutzig*