

Ruby master - Bug #2770

Matrix: determinant for rectangular matrices should raise an error [patch]

02/21/2010 04:46 AM - marcandre (Marc-Andre Lafortune)

Status: Closed	
Priority: Normal	
Assignee: marcandre (Marc-Andre Lafortune)	
Target version: 1.9.2	
ruby -v: ruby 1.9.2dev (2010-01-13 trunk 26316) [x86_64-darwin10.2.0]	Backport:
Description =begin Keiju, \$ rubydev -r matrix -e "puts Matrix[1, [2], [3].determinant" 0 This corresponds to the documentation, but is not mathematically valid, since the determinant for rectangular matrices is not defined (at least for now! http://bit.ly/bwW7Gs) I believe an error should be thrown, similar to: \$ rubydev -r matrix -e "puts Matrix[1, [2], [3].trace" /usr/local/rubydev/lib/ruby/1.9.1/matrix.rb:837:in trace': Matrix dimension mismatch (ExceptionForMatrix::ErrDimensionMismatch) from -e:1:in' Since this is an API change, I attached a patch and will wait for your approval before committing. =end	

History

#1 - 03/31/2010 06:44 AM - marcandre (Marc-Andre Lafortune)

- Category set to lib
- Assignee changed from keiju (Keiju Ishitsuka) to marcandre (Marc-Andre Lafortune)
- Target version set to 1.9.2

=begin

=end

#2 - 04/02/2010 03:07 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

=begin

This issue was solved with changeset r27160.
Marc-Andre, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end

Files

matrix_det.diff	1.48 KB	02/21/2010	marcandre (Marc-Andre Lafortune)
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