Subject: Re: diagonal dominant
Posted by Gompie on Wed, 30 Jan 2013 16:23:30 GMT
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I basically want to solve AX=B.

When I give determ(A) idl gives 0.0000 with floating point exception. So I am not sure if idl does a good job at getting inverse.

So, I wanted to use gauss elemination on A matrix and apply the routine gs_iter.pro. The routine says that the input matrix should be diagonal dominant. So I thought if by pivoting I can make the array diagonally dominant.

While A is a (256,256) matrix. I have the flexibility of replacing rows in A with new ones if the A is singular with a particular set of rows.

Any ideas.
Gompie