Le mercredi 30 janvier 2013 15:26:11 UTC+1, Gompie a écrit :
> Hi,
>
> I have a matrix(256,256) and I want to convert it into diagonal dominant form.
>
> What is the best way to do it. Does IDL have function to do it?
>
> Gompie

I do not well understand your question. A matrix is diagonal dominant or it is not: you cannot change that by any converting method. Now, if you want to find a space in which your matrix is diagonal, your problem is solved by eigenvalue decomposition. In IDL, you can use EIGENQL and EIGENVEC functions or equivalently their Lapack counterparts: LA_EIGENQL, LA_EIGENVEC and LA_EIGENPROBLEM.
Hoping to have answered.
alain.