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Subject: Neuronal Network Programming Tool  
Posted by [alexander.loew](#) on Tue, 04 May 1999 07:00:00 GMT  
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Hi,

I'm searching for a program package or routines which can be used to  
create neuronal network structures in IDL.  
I searched the web but didn't found anything.

Does anyone has any ideas from where to get it? I need it for my  
diploma thesis.

Thanks a lot.

ALEX

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Alexander Loew  
[alexander.loew@stud.uni-muenchen.de](mailto:alexander.loew@stud.uni-muenchen.de)

"Ein Spezialist ist jemand, der von immer weniger

Ein Generalist ist jemand, der von immer mehr

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Subject: Re: Neuronal Network Programming Tool  
Posted by [pford](#) on Tue, 11 May 1999 07:00:00 GMT  
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Alex Loew ([alexander.loew@stud.uni-muenchen.de](mailto:alexander.loew@stud.uni-muenchen.de)) wrote:  
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: Alexander Loew  
: [alexander.loew@stud.uni-muenchen.de](mailto:alexander.loew@stud.uni-muenchen.de)

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: Ein Generalist ist jemand, der von immer mehr

By neuronal networks, I assume you mean artificial neural networks(ANN). As far as I know, there are a lot more tool boxes for MathLab than for IDL. I don't know of any and I would also appreciate finding them.

Since ANNs perform a large numbe of matrix operations, IDL should work well, but I always manage to screw up matrix multiplecation in IDL and I could not successfully manage (1XN), (NX1) or (1X1) vs scalar. SO I gave up and wrote a back-propagation 3-level network in C that I call from IDL.

If you are interested I can supply you the code. It is not fancy, no widgets or anything like that.

Regards

Patrick Ford, MD  
Baylor College of Medicine  
Department of Radiology  
pford@bcm.tmc.edu

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