NNOS

A neural network operating system

# .net based OS

Microsoft has released an open source project called COSMOS which allows you to easily build OS’s in .net using visual studio. This creates a managed OS. More information can be found here: <http://www.codeproject.com/KB/dotnet/CosmosIntro.aspx>

# Advantages

I believe using an OS is primarily interesting for robotic applications where there is no real need for a direct GUI (as advanced as that of a full OS). This is because there can be a real performance increase if there is no interfering other stuff.

It could also be possible that it is easier to implement different techniques compared to a more common os (perhaps disk management, memory page management,…

# Memory pages

It should be investigated if it is possible to modify this COSMOS OS so that it uses a special paging algorithm where each page is a full neuron.

# Processors

There should be something done in this area -> probably threads.