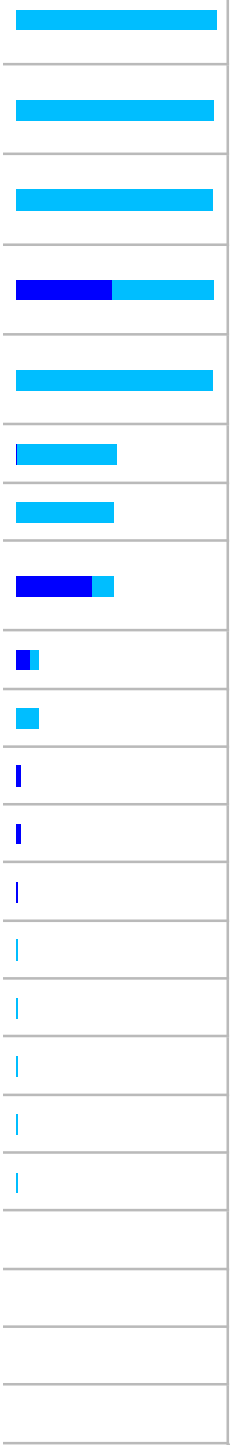
# Profile Summary

*Generated 24-Feb-2015 11:32:49 using cpu time.*

| Function Name | Calls | **Total Time** | Self Time* |
|---|---|---|---|
| ANNkfoldver3b | 1 | 140.746 s | 0.018 s |
| network.train | 10 | 138.823 s | 0.019 s |
| trainlm | 210 | 138.276 s | 0.000 s |
| trainlm>train_network | 10 | 138.276 s | 67.019 s |
| network.train>trainPerWorker | 10 | 138.276 s | 0.000 s |
| nnCalcLib>nnCalcLib.perfsJEJJ | 122 | 70.378 s | 1.323 s |
| perfsJEJJ | 122 | 69.055 s | 0.016 s |
| perfsJEJJ>calc_Y_trainPerfJeJJ | 122 | 68.925 s | 52.966 s |
| jac_s | 122 | 15.628 s | 9.360 s |
| perfsJEJJ>calc_jacobian | 122 | 15.628 s | 0.000 s |
| jac_s>reprow | 366 | 2.284 s | 2.284 s |
| jac_s>reprowint | 366 | 2.262 s | 2.262 s |
| dperf | 122 | 1.402 s | 1.353 s |
| network.subsasgn | 520 | 1.351 s | 0.032 s |
| newff>new_5p1 | 10 | 1.349 s | 0.017 s |
| newff>create_network | 10 | 1.349 s | 0.000 s |
| newff | 10 | 1.349 s | 0.000 s |
| network.subsasgn>network_subsasgn | 520 | 1.341 s | 0.067 s |
| nnModuleInfo | 631 | 0.968 s | 0.505 s |
| nnCalcLib>nnCalcLib.trainPerf | 189 | 0.453 s | 0.082 s |
| setup1 | 31 | 0.444 s | 0.016 s |
| setup1>setupImpl | 31 | 0.428 s | 0.006 s |

| Total Time Plot (dark band = self time) |
| --- |
|  |

| | | | |
|---|---|---|---|
| perfs | 189 | 0.371 s | 0.047 s |
| trainPerf | 189 | 0.371 s | 0.000 s |
| @network\private\nn_configure_layer | 90 | 0.361 s | 0.017 s |
| y | 189 | 0.324 s | 0.031 s |
| network.sim | 21 | 0.298 s | 0.016 s |
| setup | 10 | 0.285 s | 0.000 s |
| nnCalcLib>nnCalcLib.setwb | 189 | 0.283 s | 0.171 s |
| transfer_fcn | 210 | 0.276 s | 0.000 s |
| parameter_defaults | 731 | 0.255 s | 0.102 s |
| y_all | 122 | 0.250 s | 0.049 s |
| tansig | 180 | 0.240 s | 0.016 s |
| ...ParamInfo>nnetParamInfo.nnetParamInfo | 524 | 0.239 s | 0.152 s |
| netHints | 10 | 0.231 s | 0.037 s |
| network.subsasgn>getDefaultParam | 180 | 0.206 s | 0.001 s |
| y>calca | 189 | 0.194 s | 0.050 s |
| network.sim>nncalc_setup | 21 | 0.189 s | 0.000 s |
| @network\private\nn_configure_input | 20 | 0.180 s | 0.001 s |
| network.subsasgn>setLayerTransferFcn | 30 | 0.180 s | 0.017 s |
| network.subsasgn>setTrainParam | 120 | 0.172 s | 0.015 s |
| initlay | 240 | 0.171 s | 0.034 s |
| jac_s>stretch | 122 | 0.170 s | 0.170 s |
| @ne...\private\nn_configure_input_weight | 60 | 0.170 s | -0.000 s |
| performance_fcn | 41 | 0.164 s | 0.000 s |
| mse | 41 | 0.164 s | 0.000 s |
| param>do_test | 120 | 0.157 s | 0.070 s |
| param | 120 | 0.157 s | 0.000 s |
| dotprod | 60 | 0.153 s | 0.001 s |
| weight_fcn | 60 | 0.152 s | 0.016 s |
| apply | 933 | 0.149 s | 0.149 s |

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|---|---|---|---|
| perfsJEJJ>calc_perf_N | 366 | 0.148 s | 0.064 s |
| @ne...\private\nn_configure_layer_weight | 140 | 0.142 s | 0.001 s |
| network.init | 10 | 0.135 s | 0.000 s |
| initnw>initialize_layer | 30 | 0.135 s | 0.000 s |
| initnw | 80 | 0.135 s | 0.000 s |
| initlay>initialize_network | 10 | 0.135 s | 0.000 s |
| info | 51 | 0.134 s | 0.000 s |
| setwb | 199 | 0.127 s | 0.030 s |
| network.subsasgn>setInputProcessFcns | 10 | 0.122 s | 0.000 s |
| network.subsasgn>setLayerSize | 20 | 0.119 s | 0.000 s |
| network.subsasgn>setLayerDimensions | 20 | 0.119 s | 0.000 s |
| network.subsasgn>setLayerInitFcn | 30 | 0.113 s | 0.000 s |
| setwb | 189 | 0.112 s | 0.000 s |
| network.subsasgn>setInputExampleInput | 10 | 0.112 s | 0.000 s |
| info | 70 | 0.107 s | 0.003 s |
| network.network | 550 | 0.105 s | 0.051 s |
| removeconstantrows | 60 | 0.100 s | 0.001 s |
| parameterInfo | 102 | 0.098 s | 0.000 s |
| parameterInfo | 120 | 0.090 s | 0.000 s |
| process_fcn | 50 | 0.090 s | 0.000 s |
| getParamStructFromArgs | 100 | 0.084 s | 0.015 s |
| reverse | 433 | 0.082 s | 0.082 s |
| gmultiply | 1287 | 0.082 s | 0.001 s |
| separatewb | 199 | 0.082 s | 0.082 s |
| gmultiply>calc_cell | 1287 | 0.081 s | 0.063 s |
| apply | 933 | 0.079 s | 0.079 s |
| options2Mode | 31 | 0.076 s | 0.000 s |
| @network\private\nn_configure_output | 30 | 0.070 s | 0.000 s |
| info | 240 | 0.068 s | 0.035 s |

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|---|---|---|---|
| y>reverse_process | 189 | 0.067 s | 0.001 s |
| y>post_outputs | 189 | 0.067 s | 0.000 s |
| y_all>calc_pd | 122 | 0.064 s | 0.016 s |
| netHints | 21 | 0.063 s | 0.047 s |
| fixunknowns | 30 | 0.063 s | 0.000 s |
| feedback | 132 | 0.063 s | 0.048 s |
| grp2idx | 13 | 0.062 s | 0.015 s |
| defaultMode | 62 | 0.061 s | 0.000 s |
| options2Mode>MexOrMATLAB | 31 | 0.061 s | 0.000 s |
| netHints | 31 | 0.059 s | 0.055 s |
| mapminmax | 60 | 0.059 s | 0.000 s |
| setup>setupPerWorker | 10 | 0.056 s | 0.020 s |
| setup | 10 | 0.056 s | 0.000 s |
| @network\private\nn_update_read_only | 520 | 0.055 s | 0.055 s |
| network.network>new_network | 10 | 0.054 s | 0.000 s |
| network.subsasgn>setOutputProcessFcns | 10 | 0.053 s | 0.000 s |
| network.subsasgn>setOutputExampleOutput | 10 | 0.053 s | 0.000 s |
| transfer_fcn | 240 | 0.052 s | 0.052 s |
| purelin | 30 | 0.052 s | 0.000 s |
| parameterInfo | 80 | 0.051 s | 0.000 s |
| tapdelay | 244 | 0.051 s | 0.051 s |
| network.subsasgn>setInputConnect | 20 | 0.050 s | 0.000 s |
| num2str | 553 | 0.049 s | 0.048 s |
| data | 427 | 0.048 s | 0.017 s |
| match | 1053 | 0.048 s | 0.048 s |
| initnw>calcnw | 30 | 0.048 s | 0.017 s |
| pc | 31 | 0.048 s | 0.047 s |
| preCalcData | 31 | 0.048 s | 0.000 s |
| confusionmat | 12 | 0.047 s | 0.000 s |

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|---|---|---|---|
| confusionmatStats | 12 | 0.047 s | 0.000 s |
| network.subsasgn>setPerformFcn | 10 | 0.047 s | 0.000 s |
| netCheck | 42 | 0.047 s | 0.015 s |
| minmax | 150 | 0.047 s | 0.000 s |
| info | 230 | 0.038 s | 0.036 s |
| pos_scalar | 440 | 0.035 s | 0.035 s |
| apply | 933 | 0.035 s | 0.035 s |
| wb_indices | 145 | 0.034 s | 0.034 s |
| nnetParamInfo>fcn2filename | 524 | 0.033 s | 0.033 s |
| weight_fcn | 230 | 0.033 s | 0.033 s |
| nndata | 122 | 0.033 s | 0.032 s |
| y>active_fcns | 189 | 0.033 s | 0.033 s |
| network.subsasgn>matchstring | 740 | 0.032 s | 0.032 s |
| gsubtract>calc_cell | 677 | 0.032 s | 0.001 s |
| gsubtract | 687 | 0.032 s | 0.000 s |
| jac_s>repcolint | 122 | 0.032 s | 0.032 s |
| pd | 189 | 0.032 s | 0.032 s |
| crossvalind | 1 | 0.031 s | 0.016 s |
| intmax | 26 | 0.031 s | 0.031 s |
| matrix_data | 231 | 0.031 s | 0.016 s |
| create | 20 | 0.031 s | 0.015 s |
| gsubtract>calc_general | 677 | 0.031 s | 0.031 s |
| network.sim>simDataCellOfMatrix | 21 | 0.031 s | 0.031 s |
| update | 122 | 0.031 s | 0.031 s |
| data>type_check | 427 | 0.031 s | 0.000 s |
| normr | 30 | 0.031 s | 0.031 s |
| randnr>new_value_from_rows_cols | 30 | 0.031 s | 0.000 s |
| randnr | 30 | 0.031 s | 0.000 s |
| network.sim>simData | 21 | 0.031 s | 0.000 s |

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|---|---|---|---|
| setup2 | 31 | 0.030 s | 0.000 s |
| string | 2126 | 0.018 s | 0.017 s |
| num_scalar | 240 | 0.018 s | 0.018 s |
| strict_pos_int_inf_scalar | 120 | 0.018 s | 0.018 s |
| gmultiply>calc_general | 1287 | 0.018 s | 0.018 s |
| dn_dzj | 732 | 0.018 s | 0.018 s |
| network.subsasgn>setLayerConnect | 20 | 0.018 s | 0.000 s |
| pos_int_scalar | 484 | 0.017 s | 0.001 s |
| bz | 122 | 0.017 s | 0.017 s |
| gsqrt | 488 | 0.017 s | 0.017 s |
| output_sizes | 236 | 0.017 s | 0.017 s |
| validation | 112 | 0.017 s | 0.017 s |
| network.subsasgn>setBiasConnect | 20 | 0.017 s | 0.000 s |
| unique | 13 | 0.016 s | 0.016 s |
| real_0_to_1 | 222 | 0.016 s | 0.016 s |
| strict_pos_scalar | 120 | 0.016 s | 0.000 s |
| first_match | 852 | 0.016 s | 0.016 s |
| net_input_fcn | 40 | 0.016 s | 0.016 s |
| mean | 1400 | 0.016 s | 0.016 s |
| learngdm | 120 | 0.016 s | 0.016 s |
| normalize_error | 799 | 0.016 s | 0.016 s |
| cell2mat | 544 | 0.016 s | 0.016 s |
| pos_int_scalar>type_check | 484 | 0.016 s | 0.016 s |
| nntraintool | 122 | 0.016 s | 0.016 s |
| etime | 122 | 0.016 s | 0.016 s |
| network.subsasgn>setLayerWeightLearnFcn | 20 | 0.016 s | 0.000 s |
| network.subsasgn>newBias | 30 | 0.016 s | 0.016 s |
| minmax | 150 | 0.016 s | 0.016 s |
| extract_param | 60 | 0.016 s | 0.016 s |

| | | | |
|---|---|---|---|
| network.subsasgn>setInitFcn | 10 | 0.016 s | 0.016 s |
| strict_pos_scalar>type_check | 120 | 0.016 s | 0.016 s |
| nndata_pos | 10 | 0.016 s | 0.015 s |
| setup1>checkPdImplemented | 31 | 0.016 s | 0.016 s |
| performance_fcn | 51 | 0.015 s | 0.015 s |
| create | 40 | 0.015 s | 0.015 s |
| da_dn | 366 | 0.015 s | 0.015 s |
| formatNet | 21 | 0.015 s | 0.000 s |
| usejava | 376 | 0.015 s | 0.015 s |
| network.subsasgn>setOutputConnect | 20 | 0.015 s | 0.015 s |
| matrix_data>type_check | 231 | 0.015 s | 0.015 s |
| defaults | 31 | 0.015 s | 0.015 s |
| nnMex | 21 | 0.015 s | 0.015 s |
| codeHints | 21 | 0.015 s | 0.015 s |
| convert1D | 12 | 0.015 s | 0.015 s |
| network.subsasgn>setNumLayers | 20 | 0.003 s | 0.000 s |
| delayed_inputs | 122 | 0.003 s | 0.000 s |
| setup>share_samples | 30 | 0.003 s | 0.001 s |
| network.subsasgn>nextsubs | 960 | 0.002 s | 0.002 s |
| network.subsasgn>nsubsasn | 650 | 0.002 s | 0.002 s |
| network.subsasgn>newLayer | 10 | 0.002 s | 0.000 s |
| network.subsasgn>setBiasLearnFcn | 30 | 0.002 s | 0.001 s |
| initwb | 180 | 0.002 s | 0.000 s |
| layer_order | 83 | 0.002 s | 0.002 s |
| nnMATLAB | 31 | 0.002 s | 0.002 s |
| mat2cell | 61 | 0.002 s | 0.002 s |
| int2str | 310 | 0.001 s | 0.001 s |
| name | 102 | 0.001 s | 0.001 s |
| string>type_check | 2126 | 0.001 s | 0.001 s |

| | | | |
|---|---|---|---|
| bool_scalar | 240 | 0.001 s | 0.001 s |
| pos_inf_scalar | 120 | 0.001 s | 0.001 s |
| strict_pos_int_scalar | 151 | 0.001 s | 0.001 s |
| over1 | 120 | 0.001 s | 0.001 s |
| net_input_fcn | 10 | 0.001 s | 0.000 s |
| repmat | 20 | 0.001 s | 0.000 s |
| repmat>@(x)double(full(x)) | 40 | 0.001 s | 0.001 s |
| netsum | 10 | 0.001 s | 0.000 s |
| create | 40 | 0.001 s | 0.000 s |
| apply | 40 | 0.001 s | 0.001 s |
| dx_dy | 122 | 0.001 s | 0.001 s |
| dz_dp | 244 | 0.001 s | 0.001 s |
| network.subsasgn>setInputWeightLearnFcn | 10 | 0.001 s | 0.001 s |
| network.subsasgn>setPlotFcns | 10 | 0.001 s | 0.001 s |
| initwb>initialize_bias | 30 | 0.001 s | 0.001 s |
| initwb>configure_layer_weight | 110 | 0.001 s | 0.001 s |
| initlay>initialize_bias | 30 | 0.001 s | 0.000 s |
| initlay>configure_layer_weight | 140 | 0.001 s | 0.000 s |
| nndata_pos>strict_format | 10 | 0.001 s | 0.000 s |
| @network\private\nn_configure_bias | 30 | 0.001 s | 0.000 s |
| network.subsasgn>subs2 | 40 | 0.001 s | 0.001 s |
| fix_nan_inputs | 10 | 0.001 s | 0.001 s |
| weedProcessSteps | 31 | 0.001 s | 0.001 s |
| layer_sizes | 94 | 0.001 s | 0.001 s |
| pc>fast_mat2cell | 31 | 0.001 s | 0.001 s |
| convertNum | 1 | 0 s | 0.000 s |
| cell.strmatch | 1 | 0 s | 0.000 s |
| strmatch | 1 | 0 s | 0.000 s |
| unique>uniquelegacy | 13 | 0 s | 0.000 s |

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|---|---|---|---|
| intmin | 13 | 0 s | 0.000 s |
| num2str>handleNumericPrecision | 226 | 0 s | 0.000 s |
| num2str>convertUsingRecycledSprintf | 226 | 0 s | 0.000 s |
| feedback>train_status_str | 210 | 0 s | 0.000 s |
| type | 51 | 0 s | 0.000 s |
| normalize | 144 | 0 s | 0.000 s |
| string>strict_format | 30 | 0 s | 0.000 s |
| network.subsasgn>setLayerName | 30 | 0 s | 0.000 s |
| filesep | 524 | 0 s | 0.000 s |
| error_norm_mode | 102 | 0 s | 0.000 s |
| cell_data | 206 | 0 s | 0.000 s |
| pos_int_vector | 122 | 0 s | 0.000 s |
| minargs | 3132 | 0 s | 0.000 s |
| real_0_to_1>type_check | 222 | 0 s | 0.000 s |
| error_norm_mode>type_check | 102 | 0 s | 0.000 s |
| trainlm>formatNet | 10 | 0 s | 0.000 s |
| pos_scalar>type_check | 440 | 0 s | 0.000 s |
| num_scalar>type_check | 240 | 0 s | 0.000 s |
| info | 40 | 0 s | 0.000 s |
| parameterInfo | 80 | 0 s | 0.000 s |
| parameterInfo | 60 | 0 s | 0.000 s |
| parameterInfo | 460 | 0 s | 0.000 s |
| parameterInfo | 40 | 0 s | 0.000 s |
| parameterInfo | 420 | 0 s | 0.000 s |
| name | 40 | 0 s | 0.000 s |
| type | 40 | 0 s | 0.000 s |
| name | 30 | 0 s | 0.000 s |
| type | 30 | 0 s | 0.000 s |
| outputRange | 30 | 0 s | 0.000 s |

| | | | |
|---|---|---|---|
| activeInputRange | 30 | 0 s | 0.000 s |
| isScalar | 30 | 0 s | 0.000 s |
| outputRange | 210 | 0 s | 0.000 s |
| activeInputRange | 210 | 0 s | 0.000 s |
| isScalar | 210 | 0 s | 0.000 s |
| name | 230 | 0 s | 0.000 s |
| type | 230 | 0 s | 0.000 s |
| inputDerivType | 230 | 0 s | 0.000 s |
| weightDerivType | 230 | 0 s | 0.000 s |
| name | 10 | 0 s | 0.000 s |
| type | 10 | 0 s | 0.000 s |
| processing_fcn | 70 | 0 s | 0.000 s |
| processInputs | 10 | 0 s | 0.000 s |
| processOutputs | 10 | 0 s | 0.000 s |
| processInputs | 20 | 0 s | 0.000 s |
| processOutputs | 20 | 0 s | 0.000 s |
| processInputs | 40 | 0 s | 0.000 s |
| processOutputs | 40 | 0 s | 0.000 s |
| name | 20 | 0 s | 0.000 s |
| type | 20 | 0 s | 0.000 s |
| name | 40 | 0 s | 0.000 s |
| type | 40 | 0 s | 0.000 s |
| name | 210 | 0 s | 0.000 s |
| type | 210 | 0 s | 0.000 s |
| apply | 576 | 0 s | 0.000 s |
| nnetParam>nnetParam.nnetParam | 10 | 0 s | 0.000 s |
| network.subsasgn>setNumInputs | 20 | 0 s | 0.000 s |
| @network\private\isposint | 60 | 0 s | 0.000 s |
| @network\private\nn_new_input_struct | 10 | 0 s | 0.000 s |

| | | | |
|---|---|---|---|
| repmat>create@(x)double(full(x)) | 20 | 0 s | 0.000 s |
| apply | 20 | 0 s | 0.000 s |
| apply | 40 | 0 s | 0.000 s |
| adaptwb | 10 | 0 s | 0.000 s |
| nnetParam>nnetParam.struct | 120 | 0 s | 0.000 s |
| nnfcnTraining>nnfcnTraining.gdefaults | 10 | 0 s | 0.000 s |
| dataHints | 10 | 0 s | 0.000 s |
| dataHints | 21 | 0 s | 0.000 s |
| formatData | 21 | 0 s | 0.000 s |
| pos_int_vector>type_check | 122 | 0 s | 0.000 s |
| pos_int_scalar>strict_format | 120 | 0 s | 0.000 s |
| jac_s>remove_dont_care_errors | 122 | 0 s | 0.000 s |
| config | 10 | 0 s | 0.000 s |
| nnsize | 21 | 0 s | 0.000 s |
| nnsize | 267 | 0 s | 0.000 s |
| jac_s>outputs2layersE | 122 | 0 s | 0.000 s |
| active_fcns | 122 | 0 s | 0.000 s |
| dz_dw | 366 | 0 s | 0.000 s |
| validation_start | 10 | 0 s | 0.000 s |
| getwb | 41 | 0 s | 0.000 s |
| formwb | 41 | 0 s | 0.000 s |
| getwb | 20 | 0 s | 0.000 s |
| nnCalcLib>nnCalcLib.getwb | 20 | 0 s | 0.000 s |
| start | 10 | 0 s | 0.000 s |
| status | 60 | 0 s | 0.000 s |
| deal | 144 | 0 s | 0.000 s |
| write | 122 | 0 s | 0.000 s |
| fileparts | 122 | 0 s | 0.000 s |
| check | 31 | 0 s | 0.000 s |

| | | | |
|---|---|---|---|
| flags | 132 | 0 s | 0.000 s |
| ...thworks.toolbox.nnet.guis.nnTrainTool (Java method) | 244 | 0 s | 0.000 s |
| network.subsasgn>setTrainFcn | 10 | 0 s | 0.000 s |
| dividerand | 20 | 0 s | 0.000 s |
| dividerand>divide_indices | 10 | 0 s | 0.000 s |
| plotperform | 10 | 0 s | 0.000 s |
| plottrainstate | 10 | 0 s | 0.000 s |
| plotregression | 10 | 0 s | 0.000 s |
| network.subsasgn>setAdaptFcn | 10 | 0 s | 0.000 s |
| network.subsasgn>setDivideFcn | 10 | 0 s | 0.000 s |
| @network\private\isbool | 40 | 0 s | 0.000 s |
| initwb>configure_input_weight | 40 | 0 s | 0.000 s |
| initlay>configure_input_weight | 60 | 0 s | 0.000 s |
| cell_data>type_check | 206 | 0 s | 0.000 s |
| nndata_pos>type_check | 10 | 0 s | 0.000 s |
| data>strict_format | 303 | 0 s | 0.000 s |
| initnw>configure_input_weight | 20 | 0 s | 0.000 s |
| initnw>configure_layer_weight | 30 | 0 s | 0.000 s |
| rands | 30 | 0 s | 0.000 s |
| rands>new_value_from_rows_cols | 30 | 0 s | 0.000 s |
| linspace | 30 | 0 s | 0.000 s |
| network.subsasgn>newWeight | 30 | 0 s | 0.000 s |
| size | 200 | 0 s | 0.000 s |
| network.subsasgn>newOutput | 10 | 0 s | 0.000 s |
| network.subsasgn>subs1 | 180 | 0 s | 0.000 s |
| bool_scalar>type_check | 240 | 0 s | 0.000 s |
| strict_pos_int_inf_scalar>type_check | 120 | 0 s | 0.000 s |
| pos_inf_scalar>type_check | 120 | 0 s | 0.000 s |
| strict_pos_int_scalar>type_check | 151 | 0 s | 0.000 s |

| | | | |
|---|---|---|---|
| checkOptions | 31 | 0 s | 0.000 s |
| over1>type_check | 120 | 0 s | 0.000 s |
| network.network>setnet | 60 | 0 s | 0.000 s |
| meshgrid | 40 | 0 s | 0.000 s |
| net | 10 | 0 s | 0.000 s |
| extractNameValuePairs | 31 | 0 s | 0.000 s |
| override | 31 | 0 s | 0.000 s |
| expandFile | 31 | 0 s | 0.000 s |
| nn7 | 10 | 0 s | 0.000 s |
| argPairs2Struct | 62 | 0 s | 0.000 s |
| netCheck | 20 | 0 s | 0.000 s |
| netFcns | 42 | 0 s | 0.000 s |
| y | 21 | 0 s | 0.000 s |
| nnetTrainingRecord | 10 | 0 s | 0.000 s |
| pruneEmptyWeights | 31 | 0 s | 0.000 s |
| starts | 51 | 0 s | 0.000 s |
| input_sizes | 52 | 0 s | 0.000 s |
| fliplr | 61 | 0 s | 0.000 s |
| flip | 20 | 0 s | 0.000 s |
| netHints>simlayorder | 10 | 0 s | 0.000 s |
| defaultderiv | 10 | 0 s | 0.000 s |
| forward_layer_delays | 21 | 0 s | 0.000 s |
| forward_layer_delays>delays_to_layer | 63 | 0 s | 0.000 s |
| formatNet | 10 | 0 s | 0.000 s |
| formatData | 10 | 0 s | 0.000 s |
| codeHints | 10 | 0 s | 0.000 s |
| nnCalcLib>nnCalcLib.nnCalcLib | 31 | 0 s | 0.000 s |
| summary | 10 | 0 s | 0.000 s |
| summary | 21 | 0 s | 0.000 s |

| | | | |
|---|---|---|---|
| finalize | 10 | 0 s | 0.000 s |
| yy (MEX-file) | 21 | 0 s | 0.000 s |
| nnCalcLib>nnCalcLib.y | 21 | 0 s | 0.000 s |
| network.sim>simPerWorker | 21 | 0 s | 0.000 s |
| network.sim>getXf | 10 | 0 s | 0.000 s |
| parseArgs | 12 | 0 s | 0.000 s |
| parseArgs | 12 | 0 s | 0.000 s |
| trace | 12 | 0 s | 0.000 s |

**Self time** is the time spent in a function excluding the time spent in its child fu
Self time also includes overhead resulting from the process of profiling.

unctions