# Profile Summary

*Generated 10-Feb-2015 11:46:55 using cpu time.*

| Function Name | Calls | Total Time | Self Time* | Total Time Plot (dark band = self time) |
|---|---|---|---|---|
| Mat_field (MEX-file) | 159693 | 175.926 s | 175.926 s | |
| intersect>intersectR2012a | 159681 | 35.650 s | 9.112 s | |
| unique>uniqueR2012a | 159688 | 8.445 s | 8.445 s | |
| ismember>ismemberR2012a | 159683 | 9.881 s | 7.302 s | |
| dynaField | 1 | 224.815 s | 5.755 s | |
| unique | 159688 | 13.057 s | 4.612 s | |
| intersect | 159681 | 39.787 s | 4.136 s | |
| ismember | 159683 | 13.552 s | 3.671 s | |
| calc_hp | 159681 | 179.072 s | 3.145 s | |
| ismember>ismemberBuiltinTypes | 159683 | 2.579 s | 2.579 s | |
| makeLoadsTemps | 1 | 1.800 s | 1.740 s | |
| read_mpn | 1 | 0.283 s | 0.283 s | |
| field2dyna | 1 | 225.311 s | 0.162 s | |
| runfield2dyna | 1 | 227.152 s | 0.040 s | |
| field_init | 1 | 0.030 s | 0.030 s | |
| defineImpResp | 1 | 0.051 s | 0.030 s | |
| extractAxisIntensity | 2 | 0.061 s | 0.030 s | |
| timefun/private/formatdate | 1 | 0.040 s | 0.030 s | |
| path | 1 | 0.030 s | 0.020 s | |
| gauspuls | 2 | 0.020 s | 0.020 s | |

| | | | | |
|---|---|---|---|---|
| setdiff>setdiffR2012a | 2 | 0.030 s | 0.010 s | |
| vf105 | 1 | 0.071 s | 0.010 s | |
| datestr | 1 | 0.061 s | 0.010 s | |
| timefun/private/dateformverify | 1 | 0.051 s | 0.010 s | |
| fileparts | 1 | 0.010 s | 0.010 s | |
| general/private/parsedirs | 2 | 0.010 s | 0.010 s | |
| xdc_focused_multirow | 1 | 0.010 s | 0.010 s | |
| cnv2icudf | 1 | 0.010 s | 0.010 s | |
| check_on_axis | 1 | 0.030 s | 0.000 s | |
| checkUniform | 1 | 0.020 s | 0.000 s | |
| ispc | 1 | 0 s | 0.000 s | |
| fullfile>ensureTrailingFilesep | 1 | 0 s | 0.000 s | |
| fullfile>addTrailingFileSep | 1 | 0 s | 0.000 s | |
| fullfile | 1 | 0 s | 0.000 s | |
| fullfile>refinePath | 1 | 0 s | 0.000 s | |
| fullfile>replaceDoubleDots | 1 | 0 s | 0.000 s | |
| general/private/catdirs | 1 | 0 s | 0.000 s | |
| pathsep | 3 | 0 s | 0.000 s | |
| addpath | 1 | 0.030 s | 0.000 s | |
| filesep | 2 | 0 s | 0.000 s | |
| check_add_probes | 1 | 0.030 s | 0.000 s | |
| set_field | 6 | 0 s | 0.000 s | |
| xdc_get | 1 | 0 s | 0.000 s | |
| xdc_impulse | 1 | 0 s | 0.000 s | |
| xdc_excitation | 1 | 0 s | 0.000 s | |
| field_end | 1 | 0 s | 0.000 s | |
| check_start_Field_II | 1 | 0.030 s | 0.000 s | |

| | | | | |
|---|---|---|---|---|
| sigcasttofloat | 8 | 0 s | 0.000 s | |
| sigcheckfloattype | 8 | 0 s | 0.000 s | |
| correct_axial_lens | 1 | 0 s | 0.000 s | |
| datenum | 1 | 0 s | 0.000 s | |
| setdiff | 2 | 0.030 s | 0.000 s | |
| date | 1 | 0 s | 0.000 s | |

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