Profile Summary (Total time: 266.608 s)

Generated 30-Apr-2024 12:04:05 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
nwbRead	1	266.202	0.031	
parseGroup	3880	259.322	2.176	
parseDataset	5848	237.706	4.666	
hdf5lib2 (MEX-file)	734178	212.228	212.228	
parseAttributes	9728	185.420	0.995	
parseReference	1925	170.967	0.111	
parseReference>parseSingleReference	1925	170.797	0.108	
get_name	1926	170.753	0.050	
DataStub.DataStub>DataStub.subsref	27060	39.013	1.556	
checkDtype	44472	31.034	0.935	
Data>Data.set.data	13469	29.664	0.239	
DataStub.DataStub>DataStub.get_space	65668	29.053	1.712	
checkDtype>unwrapValue	9652	28.921	0.665	
open	83096	28.721	7.456	
DataStub.DataStub>DataStub.get.dims	56016	27.908	0.632	
DataStub.DataStub>DataStub.load	9652	23.075	0.066	
DataStub.load_mat_style	9652	23.009	0.836	
VectorIndex>VectorIndex.VectorIndex	1924	21.304	0.293	
VectorIndex>VectorIndex.validate_data	5772	17.677	0.023	
PlaneSegmentation>PlaneSegmentation.PlaneSegmentation	1923	17.619	0.568	
VectorData>VectorData.VectorData	3849	15.381	0.753	
ElementIdentifiers>ElementIdentifiers.ElementIdentifiers	1923	13.886	0.208	
Data>Data.Data	5772	13.423	0.609	
checkConfig	1923	13.389	0.150	
close	83096	12.776	0.280	
ElementIdentifiers>ElementIdentifiers.validate_data	3846	11.731	0.016	
checkConfig>getVectorHeight	3847	10.979	0.040	
checkConfig>getDataHeight	3847	10.940	0.245	
DataStub.DataStub>DataStub.get.ndims	28987	10.324	0.061	
open	81190	7.248	2.019	
checkUnset	7720	6.028	3.475	
nwbRead>generateSpec	1	5.258	0.015	
writeNamespace	4	5.000	3.143	
checkConfig>retrieveHighestIndex	1924	1.698	0.037	
getIndex	3848	1.661	0.987	
DynamicTable>DynamicTable.DynamicTable	1923	1.442	0.343	
h5info	2	1.361	0.003	
imagesci\private\h5infoc (MEX-file)	2	1.356	1.155	
fillClass	96	1.192	0.335	
correctType	29040	1.184	0.975	

cell.union	15901	1.109	0.269
attributes	9648	1.096	0.162
DataStub.load_mat_style>hdf2mat	9652	1.092	0.218
cell.unique	46946	1.045	0.866
get_space	71468	1.007	0.454
cell.setdiff	10220	0.982	0.164
get_layout	5800	0.960	0.206
cell.strcat	12179	0.916	0.771
cell.union>cellunionR2012a	15901	0.840	0.330
cell.setdiff>cellsetdiffR2012a	10220	0.818	0.475
cellPrettyPrint	7857	0.794	0.221
close	81190	0.728	0.293
id>id.delete	280168	0.709	0.391
getMatType	9652	0.667	0.094
parseSkipInvalidName	17352	0.639	0.639
id>id.id	280168	0.636	0.636
equal	57856	0.612	0.386
get_simple_extent_dims	56016	0.590	0.280
map2kwargs	7749	0.535	0.535
read	9722	0.526	0.158
open_by_name	1925	0.501	0.090
processClass	96	0.485	0.090
attributes>checkAttrs	9648	0.468	0.163
parseConstrained	1936	0.438	0.373
DynamicTable>DynamicTable.set.colnames	3846	0.433	0.052
close	81120	0.412	0.236
DynamicTable>DynamicTable.validate_colnames	3846	0.381	0.053
unique	23151	0.374	0.269
id>id.close	280168	0.317	0.288
checkSet	3872	0.308	0.065
fillConstructor	96	0.307	0.008
attributes>checkInputs	9648	0.294	0.150
VectorData>VectorData.set.description	3850	0.266	0.048
DataStub.load_mat_style>reorderLoadedData	9652	0.256	0.104
fillConstructor>fillBody	96	0.242	0.148
VectorIndex>VectorIndex.set.target	1924	0.237	0.028
schema2matlab>java2matlab	4077	0.230	0.034
isprop	5773	0.225	0.225
VectorData>VectorData.validate_description	3848	0.218	0.032
str2validName	15897	0.217	0.186
Set>Set.validateAll	3872	0.214	0.069
VectorIndex>VectorIndex.validate_target	1924	0.210	0.024
nwbRead>getEmbeddedSpec	1	0.208	0.002
get_type	15452	0.208	0.114
parseGroup>elide	1939	0.203	0.155

makeH5CmpdFieldNamesValid	1923	0.201	0.014	
saveCache	4	0.198	0.197	
str2double	2653	0.196	0.196	
get_constant_value	17404	0.192	0.100	
fliplr	56016	0.184	0.184	
strjoin	12482	0.181	0.150	
PlaneSegmentation>PlaneSegmentation.set.voxel_mask	1923	0.179	0.021	
partialMatchString	36765	0.179	0.179	
ImageSegmentation>ImageSegmentation.ImageSegmentation	3	0.175	0.008	
Group>Group.Group	218	0.173	0.074	
attributes>checkClass	9648	0.173	0.173	
loadNamespace	9	0.171	0.012	
fillExport	96	0.163	0.033	
Set>Set.Set	5816	0.162	0.131	
makeValidName	1923	0.160	0.040	
PlaneSegmentation>PlaneSegmentation.validate_voxel_mask	1923	0.159	0.009	
OpticalChannelPlus>OpticalChannelPlus.OpticalChannelPlus	6	0.155	0.021	
DynamicTable>DynamicTable.set.id	1923	0.154	0.021	
cellstr	24988	0.145	0.145	
generateArgumentDescriptor	9648	0.144	0.117	
...m,val)types.util.checkConstraint(pname,nm,namedprops,constraints,val)	1952	0.144	0.013	
schema2matlab>hashMap2ContainersMap	698	0.143	0.110	
copy	9652	0.140	0.074	
NwbFile>NwbFile.NwbFile	1	0.138	0.018	
PlaneSegmentation>PlaneSegmentation.set.voxel_mask_index	1923	0.138	0.019	
correctType>findNearestType	9707	0.137	0.116	
cell.ismember	7739	0.137	0.137	
...utor(@isscalar,A,'scalar',fname,'expectedScalar',msgId,argname,argpos)	9648	0.135	0.096	
DynamicTable>DynamicTable.validate_id	1923	0.133	0.007	
checkConstraint	1952	0.132	0.023	
loadCache	9	0.128	0.123	
close	17377	0.124	0.076	
...elVolumeSeries>MultiChannelVolumeSeries.MultiChannelVolumeSeries	1	0.123	0.011	
makeValidName>parseInputs	1923	0.120	0.108	
create_simple	9652	0.119	0.076	
PlaneSegmentation>PlaneSegmentation.validate_voxel_mask_index	1923	0.119	0.009	
VectorData>VectorData.set.resolution	3849	0.117	0.039	
DynamicTable>DynamicTable.set.vectordata	1923	0.116	0.026	
NWBFile>NWBFile.NWBFile	1	0.115	0.013	
DataStub.load_mat_style>getExpectedSize	9652	0.115	0.115	
ImageSegmentation>ImageSegmentation.set.planesegmentation	3	0.114	0.001	
get_create_plist	5800	0.114	0.038	
ImageSegmentation>ImageSegmentation.validate_planesegmentation	3	0.114	0.001	
select_elements	9652	0.110	0.043	
checkDims	19412	0.110	0.081	

TimeSeries>TimeSeries.TimeSeries	3	0.108	0.012	
unique>uniqueR2012a	23151	0.105	0.105	
fillValidators	96	0.105	0.029	
TimeSeries>TimeSeries.set.data	6	0.102	0.001	
fillProps	480	0.101	0.036	
flipud	9652	0.099	0.029	
VectorData>VectorData.set.sampling_rate	3849	0.094	0.041	
DynamicTable>DynamicTable.set.description	1923	0.093	0.019	
attributes>findSupportedAttr	15448	0.093	0.093	
ImagingVolume>ImagingVolume.ImagingVolume	2	0.091	0.009	
Namespace>Namespace.getRootBranch	192	0.091	0.025	
DynamicTable>DynamicTable.validate_vectordata	1923	0.091	0.013	
getIndex>isVecIndColumn	3851	0.087	0.055	
checkConfig>getVector	1924	0.087	0.017	
PlaneSegmentation>PlaneSegmentation.set.reference_images	1923	0.087	0.017	
attributes>valueAttributor	15448	0.086	0.076	
RoiResponseSeries>RoiResponseSeries.RoiResponseSeries	2	0.083	0.004	
Dataset>Dataset.Dataset	336	0.083	0.045	
fillExport>traverseRaw	434	0.080	0.080	
VectorData>VectorData.validate_resolution	3849	0.078	0.025	
...ty(x),A,'nonempty',fname,'expectedNonempty',msgId,argname,argpos)	5800	0.076	0.029	
DynamicTable>DynamicTable.validate_description	1923	0.074	0.011	
Set>Set.keys	7726	0.073	0.073	
CElegansSubject>CElegansSubject.CElegansSubject	1	0.071	0.006	
PlaneSegmentation>PlaneSegmentation.validate_reference_images	1923	0.070	0.010	
flip	9652	0.069	0.037	
ImagingPlane>ImagingPlane.ImagingPlane	2	0.068	0.007	
fillValidators>fillUnitValidation	429	0.067	0.012	
close	5800	0.066	0.028	
Group>Group.getProps	113	0.066	0.054	
select_none	9652	0.066	0.031	
timestamp2datetime	4	0.064	0.009	
Namespace>Namespace.getNamespace	2667	0.063	0.063	
Subject>Subject.Subject	1	0.060	0.003	
Namespace>Namespace.getClass	1556	0.059	0.014	
OpticalChannelPlus>OpticalChannelPlus.set.emission_range	6	0.058	0.001	
cell.intersect	653	0.058	0.020	
OpticalChannelPlus>OpticalChannelPlus.validate_emission_range	6	0.057	0.002	
DataStub.DataStub>DataStub.DataStub	5800	0.057	0.057	
OpticalChannelPlus>OpticalChannelPlus.set.excitation_range	6	0.055	0.001	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_data	2	0.054	0.001	
OpticalChannelPlus>OpticalChannelPlus.validate_excitation_range	6	0.054	0.002	
VectorData>VectorData.validate_sampling_rate	3849	0.053	0.026	
fillClass>@()file.fillProps(classprops,optional)	96	0.052	0.002	
Subject>Subject.set.date_of_birth	1	0.052	0.000	

Subject>Subject.validate_date_of_birth	1	0.052	0.001	
Namespace>Namespace.getParent	730	0.051	0.014	
get_class	5800	0.047	0.022	
RoiResponseSeries>RoiResponseSeries.validate_data	4	0.047	0.002	
pathParts	7759	0.046	0.046	
cell2mat	9718	0.046	0.046	
Set>Set.Count	1950	0.046	0.046	
fillConstructor>fillCheck	96	0.046	0.007	
fillClass>@()file.fillProps(classprops,required,'IsRequired',true)	96	0.044	0.002	
PlaneSegmentation>PlaneSegmentation.set.image_mask	1923	0.043	0.019	
get_type	1925	0.042	0.020	
...annelReferences>OpticalChannelReferences.OpticalChannelReferences	2	0.041	0.002	
fillExport>fillDataExport	339	0.039	0.032	
cell.intersect>cellintersectR2012a	653	0.038	0.027	
fillProps>getPropStr	470	0.038	0.029	
DatasetClass>DatasetClass.DatasetClass	13469	0.036	0.036	
MultiChannelVolume>MultiChannelVolume.MultiChannelVolume	1	0.035	0.002	
ObjectView>ObjectView.ObjectView	1925	0.035	0.035	
ProcessingModule>ProcessingModule.ProcessingModule	2	0.035	0.004	
schema2matlab>array2Cell	558	0.035	0.027	
SoftLink>SoftLink.SoftLink	1930	0.034	0.021	
fillValidators>fillDatasetValidation	200	0.034	0.006	
Namespace>Namespace.getFullClassName	453	0.034	0.012	
PlaneSegmentation>PlaneSegmentation.set.imaging_plane	1923	0.033	0.018	
Container>Container.Container	1948	0.033	0.022	
strfun\private\strescape	13168	0.033	0.033	
flip	9652	0.032	0.032	
OpticalChannelReferences>OpticalChannelReferences.set.channels	2	0.032	0.000	
OpticalChannelReferences>OpticalChannelReferences.validate_channels	2	0.032	0.001	
Namespace>Namespace.Namespace	10	0.031	0.007	
Set>Set.set	1944	0.031	0.031	
datetime.datetime>datetime.datetime	8	0.031	0.006	
ind2sub	9652	0.031	0.031	
iskeyword	5786	0.031	0.031	
MetaClass>MetaClass.MetaClass	7720	0.030	0.030	
checkDims>getIsSizeMatch	11694	0.029	0.029	
Set>Set.setValidationFcn	3872	0.029	0.029	
fillValidators>fillDimensionValidation	298	0.028	0.010	
NWBFile>NWBFile.set.file_create_date	1	0.027	0.000	
NWBFile>NWBFile.validate_file_create_date	1	0.027	0.000	
generateArgumentDescriptor>isCharOrString	28944	0.027	0.027	
ObjectView>ObjectView.has_path	3851	0.027	0.016	
PlaneSegmentation>PlaneSegmentation.set.pixel_mask	1923	0.026	0.015	
repmat	407	0.025	0.006	
PlaneSegmentation>PlaneSegmentation.set.pixel_mask_index	1923	0.025	0.014	

DynamicTableRegion>DynamicTableRegion.DynamicTableRegion	1	0.025	0.002	
NWBContainer>NWBContainer.NWBContainer	25	0.025	0.012	
timestamp2datetime>detectDatetime	4	0.024	0.006	
SegmentationLabels>SegmentationLabels.SegmentationLabels	1	0.024	0.003	
fwdSubsref	980	0.024	0.024	
getClasses	227	0.024	0.013	
PlaneSegmentation>PlaneSegmentation.validate_image_mask	1923	0.024	0.009	
close	1927	0.024	0.014	
generate	4	0.022	0.002	
NWBDataInterface>NWBDataInterface.NWBDataInterface	12	0.022	0.007	
@datetime\private\guessFormat	4	0.021	0.007	
getMatTypeSize	7864	0.021	0.021	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.dimension	1	0.020	0.000	
checkConfig>cleanColumnNames	1923	0.020	0.020	
...tiChannelVolumeSeries>MultiChannelVolumeSeries.validate_dimension	1	0.020	0.000	
ImagingPlane>ImagingPlane.set.grid_spacing	2	0.020	0.000	
ImagingPlane>ImagingPlane.validate_grid_spacing	2	0.019	0.001	
Attribute>Attribute.Attribute	310	0.019	0.017	
repmat	407	0.019	0.017	
Fluorescence>Fluorescence.Fluorescence	2	0.019	0.003	
java.util.LinkedHashMap$Entry (Java method)	5652	0.018	0.018	
ImagingPlane>ImagingPlane.set.origin_coords	2	0.017	0.000	
ImagingPlane>ImagingPlane.validate_origin_coords	2	0.017	0.001	
strsplit	343	0.016	0.010	
ObjectView>ObjectView.get.path	7702	0.016	0.016	
fullfile	127	0.015	0.010	
PlaneSegmentation>PlaneSegmentation.validate_imaging_plane	1923	0.015	0.007	
addSpaces	1042	0.015	0.015	
ProcessingModule>ProcessingModule.set.nwbdatainterface	2	0.015	0.000	
MultiChannelVolume>MultiChannelVolume.set.data	1	0.014	0.000	
ProcessingModule>ProcessingModule.validate_nwbdatainterface	2	0.014	0.000	
MultiChannelVolume>MultiChannelVolume.validate_data	1	0.014	0.000	
NWBFile>NWBFile.set.acquisition	1	0.014	0.000	
datetime.subsasgn	32	0.014	0.002	
MultiChannelVolume>MultiChannelVolume.set.RGBW_channels	1	0.014	0.000	
NWBFile>NWBFile.validate_acquisition	1	0.014	0.000	
MultiChannelVolume>MultiChannelVolume.validate_RGBW_channels	1	0.013	0.000	
SegmentationLabels>SegmentationLabels.set.labels	1	0.013	0.000	
GroupClass>GroupClass.GroupClass	5868	0.013	0.013	
SegmentationLabels>SegmentationLabels.validate_labels	1	0.013	0.001	
SoftLink>SoftLink.set.path	1930	0.013	0.013	
OpticalChannel>OpticalChannel.OpticalChannel	6	0.012	0.005	
getSourceInfo	4	0.012	0.004	
makeValidName>validateReplacementStyle	1923	0.012	0.012	
datetime.subsasgnDot	32	0.012	0.006	

PlaneSegmentation>PlaneSegmentation.validate_pixel_mask	1923	0.012	0.006	
PlaneSegmentation>PlaneSegmentation.validate_pixel_mask_index	1923	0.011	0.006	
getClasses>searchForClasses	264	0.011	0.011	
DynamicTableRegion>DynamicTableRegion.validate_data	3	0.011	0.000	
NWBFile>NWBFile.set.general_experimenter	1	0.010	0.000	
NWBFile>NWBFile.set.general_related_publications	1	0.010	0.000	
NWBFile>NWBFile.validate_general_experimenter	1	0.010	0.000	
NWBFile>NWBFile.validate_general_related_publications	1	0.010	0.000	
attributes>@(x)~isempty(x)	5800	0.010	0.010	
num2str	357	0.009	0.004	
java.util.LinkedHashMap$LinkedEntryIterator (Java method)	2826	0.009	0.009	
@datetime\private\guessFormat>tryOneFmt	24	0.009	0.009	
...lProps(classprops,readonly,'PropertyAttributes','SetAccess = protected')	96	0.009	0.003	
mapType	477	0.009	0.009	
ImagingPlane>ImagingPlane.set.opticalchannel	2	0.009	0.000	
fillSetters	96	0.008	0.004	
Schema (Java method)	30	0.008	0.008	
fillValidators>fillDtypeValidation	406	0.008	0.008	
ImagingPlane>ImagingPlane.validate_opticalchannel	2	0.008	0.000	
num2cell	105	0.008	0.008	
isShapeScalar	124	0.008	0.004	
correctType>formatDatetime	4	0.008	0.002	
fillValidators>fillGroupValidation	49	0.007	0.003	
getMatnwbDir	2	0.007	0.002	
h5ParseEncoding	1926	0.006	0.006	
Dataset>Dataset.getProps	18	0.006	0.005	
Fluorescence>Fluorescence.set.roiresponseseries	2	0.006	0.000	
Device>Device.Device	1	0.006	0.002	
Fluorescence>Fluorescence.validate_roiresponseseries	2	0.005	0.000	
VectorData>VectorData.validate_data	3848	0.005	0.005	
NWBFile>NWBFile.set.session_start_time	1	0.005	0.000	
getNamespaceInfo	4	0.005	0.002	
NWBFile>NWBFile.validate_session_start_time	1	0.005	0.000	
NWBFile>NWBFile.set.general_optophysiology	1	0.005	0.000	
int2str	357	0.005	0.005	
NWBFile>NWBFile.set.general_devices	1	0.005	0.000	
NWBFile>NWBFile.validate_general_optophysiology	1	0.005	0.000	
NWBFile>NWBFile.set.processing	1	0.005	0.000	
java.util.ArrayList$Itr (Java method)	1229	0.005	0.005	
NWBFile>NWBFile.validate_general_devices	1	0.005	0.000	
NWBFile>NWBFile.validate_processing	1	0.005	0.000	
TimeSeries>TimeSeries.set.comments	3	0.005	0.001	
fileparts	4	0.004	0.003	
NWBFile>NWBFile.set.timestamps_reference_time	1	0.004	0.000	
formatShape	190	0.004	0.004	

NWBFile>NWBFile.validate_timestamps_reference_time	1	0.004	0.000	
TimeSeries>TimeSeries.validate_comments	3	0.004	0.001	
RoiResponseSeries>RoiResponseSeries.set.rois	2	0.004	0.000	
join	343	0.004	0.003	
datetime.parenAssign	4	0.004	0.003	
ImagingVolume>ImagingVolume.set.order_optical_channels	2	0.004	0.000	
RoiResponseSeries>RoiResponseSeries.validate_rois	2	0.004	0.001	
@datetime\private\timeZoneAdjustment	4	0.003	0.003	
getNamespaceInfo>getInfo	4	0.003	0.003	
datetime.subsref	13	0.003	0.001	
ImagingVolume>ImagingVolume.validate_order_optical_channels	2	0.003	0.001	
NWBFile>NWBFile.set.general_subject	1	0.003	0.000	
Link>Link.Link	48	0.003	0.003	
java.util.LinkedHashMap$LinkedEntrySet (Java method)	1396	0.003	0.003	
processClass>patchVectorData	1	0.003	0.003	
getBaseType	6	0.003	0.002	
NWBFile>NWBFile.validate_general_subject	1	0.003	0.000	
TimeSeries>TimeSeries.set.data_conversion	6	0.003	0.001	
...denAndReadonly,'PropertyAttributes','Hidden, SetAccess = protected')	96	0.003	0.002	
dateFormats	4	0.003	0.002	
fullfile>ensureTrailingFilesep	127	0.003	0.002	
getSchemaVersion	1	0.003	0.001	
datetime.datetime>handleParseErrors	4	0.003	0.003	
java.util.ArrayList (Java method)	1116	0.003	0.003	
java.util.LinkedHashMap (Java method)	698	0.002	0.002	
fullfile>refinePath	127	0.002	0.002	
verLessThan	30	0.002	0.001	
OpticalChannel>OpticalChannel.set.description	6	0.002	0.001	
OpticalChannelPlus>OpticalChannelPlus.set.excitation_lambda	6	0.002	0.001	
OpticalChannel>OpticalChannel.set.emission_lambda	6	0.002	0.001	
datetime.subsrefDot	13	0.002	0.002	
schema2matlab	22	0.002	0.000	
repmat>checkSizesType	632	0.002	0.002	
TimeSeries>TimeSeries.set.data_continuity	6	0.002	0.001	
split	4	0.002	0.002	
TimeSeries>TimeSeries.set.data_offset	6	0.002	0.001	
Subject>Subject.set.sex	1	0.002	0.000	
TimeSeries>TimeSeries.set.data_unit	6	0.002	0.001	
orderfields	2	0.002	0.002	
ImagingVolume>ImagingVolume.set.opticalchannelplus	2	0.002	0.000	
Subject>Subject.validate_sex	1	0.002	0.000	
TimeSeries>TimeSeries.set.data_resolution	6	0.002	0.001	
TimeSeries>TimeSeries.set.control	3	0.002	0.000	
fillClass>@()file.fillProps(classprops,hidden,'PropertyAttributes','Hidden')	96	0.002	0.001	
isLiteralNonFinite	4	0.002	0.002	

fileparts>legacyPCExecution	4	0.001	0.001	
ImagingVolume>ImagingVolume.validate_opticalchannelplus	2	0.001	0.000	
HasProps>HasProps.HasProps	554	0.001	0.001	
ImagingPlane>ImagingPlane.set.indicator	2	0.001	0.000	
OpticalChannel>OpticalChannel.validate_description	6	0.001	0.001	
Set>Set.get	9	0.001	0.001	
OpticalChannelPlus>OpticalChannelPlus.validate_excitation_lambda	6	0.001	0.001	
OpticalChannel>OpticalChannel.validate_emission_lambda	6	0.001	0.001	
extractBefore	8	0.001	0.001	
TimeSeries>TimeSeries.validate_control	3	0.001	0.001	
@datetime\private\verifyFormat	4	0.001	0.001	
...nelVolumeSeries>MultiChannelVolumeSeries.validate_data_conversion	2	0.001	0.000	
getDatetimeSettings	8	0.001	0.001	
fullfile>addTrailingFileSep	127	0.001	0.001	
Set>Set.remove	6	0.001	0.001	
TimeSeries>TimeSeries.set.starting_time	3	0.001	0.000	
ImagingPlane>ImagingPlane.validate_indicator	2	0.001	0.000	
...ops>@(x)validateattributes(x,{'logical'},{'scalar'},mfilename,'IsRequired')	46	0.001	0.001	
TimeSeries>TimeSeries.set.control_description	3	0.001	0.000	
TimeSeries>TimeSeries.set.timestamps	3	0.001	0.000	
verLessThan>getParts	30	0.001	0.001	
strfun\private\isTextStrict	359	0.001	0.001	
datetime.datetime>expandNumericInputs	4	0.001	0.001	
TimeSeries>TimeSeries.set.description	3	0.001	0.000	
timestamp2datetime>timestamp2cellstr	5	0.001	0.001	
TimeSeries>TimeSeries.set.starting_time_rate	3	0.001	0.000	
RoiResponseSeries>RoiResponseSeries.validate_data_conversion	4	0.001	0.000	
extractAfter	4	0.001	0.001	
TimeSeries>TimeSeries.validate_starting_time	3	0.001	0.000	
open	2	0.001	0.001	
ProcessingModule>ProcessingModule.set.dynamictable	2	0.001	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.device	1	0.001	0.000	
ProcessingModule>ProcessingModule.set.description	2	0.001	0.000	
ImagingPlane>ImagingPlane.set.description	2	0.001	0.000	
TimeSeries>TimeSeries.validate_timestamps	3	0.001	0.000	
ImagingPlane>ImagingPlane.set.excitation_lambda	2	0.001	0.000	
TimeSeries>TimeSeries.validate_control_description	3	0.001	0.000	
RoiResponseSeries>RoiResponseSeries.validate_data_offset	4	0.001	0.000	
ImagingPlane>ImagingPlane.set.grid_spacing_unit	2	0.001	0.000	
dateFormats>userPreferenceFormats	4	0.001	0.001	
RoiResponseSeries>RoiResponseSeries.validate_data_continuity	4	0.001	0.001	
DynamicTableRegion>DynamicTableRegion.set.table	1	0.001	0.000	
RoiResponseSeries>RoiResponseSeries.validate_data_resolution	4	0.001	0.000	
ImagingPlane>ImagingPlane.set.manifold	2	0.001	0.000	
RoiResponseSeries>RoiResponseSeries.validate_data_unit	4	0.001	0.000	

ImagingPlane>ImagingPlane.set.origin_coords_unit	2	0.001	0.000	
...ultiChannelVolumeSeries>MultiChannelVolumeSeries.set.exposure_time	1	0.001	0.000	
SegmentationLabels>SegmentationLabels.set.description	1	0.001	0.000	
ImagingPlane>ImagingPlane.set.manifold_conversion	2	0.001	0.000	
ImagingPlane>ImagingPlane.set.manifold_unit	2	0.001	0.000	
@datetime\private\checkCompatibleTZ	4	0.001	0.001	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_device	1	0.001	0.000	
ImagingPlane>ImagingPlane.set.location	2	0.001	0.000	
copy	6	0.001	0.000	
ImagingPlane>ImagingPlane.set.imaging_rate	2	0.001	0.000	
ImagingPlane>ImagingPlane.set.reference_frame	2	0.001	0.000	
Set>Set.values	6	0.001	0.001	
DynamicTableRegion>DynamicTableRegion.validate_description	2	0.001	0.000	
datetime.datetime>datetime.size	3	0.001	0.001	
read	2	0.000	0.000	
Device>Device.set.description	1	0.000	0.000	
@datetime\private\verifyTimeZone	4	0.000	0.000	
...ultiChannelVolumeSeries>MultiChannelVolumeSeries.set.starting_frame	1	0.000	0.000	
TimeSeries>TimeSeries.validate_starting_time_rate	3	0.000	0.000	
NWBFile>NWBFile.set.general_data_collection	1	0.000	0.000	
TimeSeries>TimeSeries.validate_description	3	0.000	0.000	
ProcessingModule>ProcessingModule.validate_description	2	0.000	0.000	
MultiChannelVolume>MultiChannelVolume.set.description	1	0.000	0.000	
set_size	6	0.000	0.000	
loadSchemaObject	4	0.000	0.000	
NWBFile>NWBFile.set.general_experiment_description	1	0.000	0.000	
Subject>Subject.set.description	1	0.000	0.000	
NWBFile>NWBFile.set.general_notes	1	0.000	0.000	
DynamicTableRegion>DynamicTableRegion.validate_table	1	0.000	0.000	
dateFormats>addMillis	8	0.000	0.000	
...ultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_data_unit	2	0.000	0.000	
ProcessingModule>ProcessingModule.validate_dynamictable	2	0.000	0.000	
Set>Set.isKey	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_excitation_lambda	2	0.000	0.000	
SegmentationLabels>SegmentationLabels.set.ImageSegmentation	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_description	2	0.000	0.000	
Subject>Subject.set.age_reference	1	0.000	0.000	
ImagingPlane>ImagingPlane.set.device	2	0.000	0.000	
CElegansSubject>CElegansSubject.set.cultivation_temp	1	0.000	0.000	
NWBFile>NWBFile.set.identifier	1	0.000	0.000	
...annelVolumeSeries>MultiChannelVolumeSeries.validate_exposure_time	1	0.000	0.000	
dateFormats>windowsFormats	4	0.000	0.000	
...iChannelVolumeSeries>MultiChannelVolumeSeries.validate_data_offset	2	0.000	0.000	
ImagingPlane>ImagingPlane.validate_manifold	2	0.000	0.000	
Subject>Subject.set.species	1	0.000	0.000	

Subject>Subject.set.age	1	0.000	0.000	
NWBFile>NWBFile.set.general	1	0.000	0.000	
NWBFile>NWBFile.set.general_institution	1	0.000	0.000	
NWBFile>NWBFile.set.intervals	1	0.000	0.000	
datetime.isnat	8	0.000	0.000	
NWBFile>NWBFile.set.analysis	1	0.000	0.000	
NWBFile>NWBFile.set.general_surgery	1	0.000	0.000	
NWBFile>NWBFile.set.session_description	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_manifold_conversion	2	0.000	0.000	
ImagingPlane>ImagingPlane.validate_grid_spacing_unit	2	0.000	0.000	
...annelVolumeSeries>MultiChannelVolumeSeries.validate_starting_frame	1	0.000	0.000	
Device>Device.set.manufacturer	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.scan_line_rate	1	0.000	0.000	
...rops>@(x)validateattributes(x,{'char'},{'scalartext'},mfilename,'Attribute')	7	0.000	0.000	
set_cset	6	0.000	0.000	
NWBFile>NWBFile.set.general_session_id	1	0.000	0.000	
CElegansSubject>CElegansSubject.set.growth_stage_time	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_origin_coords_unit	2	0.000	0.000	
isScalarText	45	0.000	0.000	
NWBFile>NWBFile.set.general_lab	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.format	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.binning	1	0.000	0.000	
NWBFile>NWBFile.set.general_extracellular_ephys	1	0.000	0.000	
...nnelVolumeSeries>MultiChannelVolumeSeries.validate_data_continuity	2	0.000	0.000	
SegmentationLabels>SegmentationLabels.validate_description	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_location	2	0.000	0.000	
strfun\private\convertStringToOriginalTextType	12	0.000	0.000	
Subject>Subject.set.strain	1	0.000	0.000	
NWBFile>NWBFile.set.general_intracellular_ephys_filtering	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.external_file	1	0.000	0.000	
Subject>Subject.set.genotype	1	0.000	0.000	
fillDynamicTableMethods	1	0.000	0.000	
CElegansSubject>CElegansSubject.set.growth_stage	1	0.000	0.000	
...nnelVolumeSeries>MultiChannelVolumeSeries.validate_data_resolution	2	0.000	0.000	
Subject>Subject.set.subject_id	1	0.000	0.000	
NWBFile>NWBFile.set.general_pharmacology	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.pmt_gain	1	0.000	0.000	
NWBFile>NWBFile.set.scratch	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_manifold_unit	2	0.000	0.000	
NWBFile>NWBFile.set.general_slices	1	0.000	0.000	
NWBFile>NWBFile.set.general_protocol	1	0.000	0.000	
fillExport>fillVectorDataResolutionConditional	1	0.000	0.000	
NWBFile>NWBFile.set.general_keywords	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.intensity	1	0.000	0.000	
NWBFile>NWBFile.set.stimulus_templates	1	0.000	0.000	

NWBFile>NWBFile.set.general_source_script	1	0.000	0.000
Device>Device.validate_description	1	0.000	0.000
MultiChannelVolumeSeries>MultiChannelVolumeSeries.set.power	1	0.000	0.000
NWBFile>NWBFile.set.general_virus	1	0.000	0.000
ImagingPlane>ImagingPlane.validate_reference_frame	2	0.000	0.000
NWBFile>NWBFile.set.general_optogenetics	1	0.000	0.000
ImagingPlane>ImagingPlane.validate_imaging_rate	2	0.000	0.000
NWBFile>NWBFile.set.stimulus_presentation	1	0.000	0.000
Subject>Subject.set.weight	1	0.000	0.000
SegmentationLabels>SegmentationLabels.set.MCVSeriesSegmentation	1	0.000	0.000
NWBFile>NWBFile.set.general_source_script_file_name	1	0.000	0.000
NWBFile>NWBFile.set.general_stimulus	1	0.000	0.000
SegmentationLabels>SegmentationLabels.set.MCVSegmentation	1	0.000	0.000
MultiChannelVolume>MultiChannelVolume.set.imaging_volume	1	0.000	0.000
NWBFile>NWBFile.validate_general_notes	1	0.000	0.000
NWBFile>NWBFile.set.general_intracellular_ephys	1	0.000	0.000
fillExport>fillVectorDataSamplingRateConditional	1	0.000	0.000
fillExport>fillVectorDataUnitConditional	1	0.000	0.000
NWBFile>NWBFile.validate_general_experiment_description	1	0.000	0.000
NWBFile>NWBFile.set.units	1	0.000	0.000
MultiChannelVolume>MultiChannelVolume.validate_description	1	0.000	0.000
NWBFile>NWBFile.validate_intervals	1	0.000	0.000
Subject>Subject.validate_description	1	0.000	0.000
NWBFile>NWBFile.set.general_extracellular_ephys_electrodes	1	0.000	0.000
NWBFile>NWBFile.validate_general_data_collection	1	0.000	0.000
CElegansSubject>CElegansSubject.validate_cultivation_temp	1	0.000	0.000
NWBFile>NWBFile.validate_identifier	1	0.000	0.000
Subject>Subject.validate_age_reference	1	0.000	0.000
Subject>Subject.validate_species	1	0.000	0.000
NWBFile>NWBFile.validate_general_institution	1	0.000	0.000
...iChannelVolumeSeries>MultiChannelVolumeSeries.set.imaging_volume	1	0.000	0.000
NWBFile>NWBFile.set.intervals_epochs	1	0.000	0.000
NWBFile>NWBFile.validate_analysis	1	0.000	0.000
Subject>Subject.validate_age	1	0.000	0.000
NWBFile>NWBFile.validate_general	1	0.000	0.000
...BFile>NWBFile.set.general_intracellular_ephys_experimental_conditions	1	0.000	0.000
NWBFile>NWBFile.set.general_intracellular_ephys_sequential_recordings	1	0.000	0.000
CElegansSubject>CElegansSubject.validate_growth_stage_time	1	0.000	0.000
NWBFile>NWBFile.validate_general_lab	1	0.000	0.000
NWBFile>NWBFile.validate_session_description	1	0.000	0.000
...annelVolumeSeries>MultiChannelVolumeSeries.validate_scan_line_rate	1	0.000	0.000
NWBFile>NWBFile.set.intervals_invalid_times	1	0.000	0.000
NWBFile>NWBFile.validate_general_surgery	1	0.000	0.000
NWBFile>NWBFile.set.general_intracellular_ephys_repetitions	1	0.000	0.000
Device>Device.validate_manufacturer	1	0.000	0.000

..WBFile>NWBFile.set.general_intracellular_ephys_intracellular_recordings	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_format	1	0.000	0.000	
...BFile>NWBFile.set.general_intracellular_ephys_simultaneous_recordings	1	0.000	0.000	
NWBFile>NWBFile.validate_general_extracellular_ephys	1	0.000	0.000	
NWBFile>NWBFile.validate_general_session_id	1	0.000	0.000	
NWBFile>NWBFile.set.general_intracellular_ephys_sweep_table	1	0.000	0.000	
Subject>Subject.validate_strain	1	0.000	0.000	
CElegansSubject>CElegansSubject.validate_growth_stage	1	0.000	0.000	
ImagingPlane>ImagingPlane.validate_device	2	0.000	0.000	
NWBFile>NWBFile.set.intervals_trials	1	0.000	0.000	
NWBFile>NWBFile.validate_general_keywords	1	0.000	0.000	
NWBFile>NWBFile.validate_scratch	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_binning	1	0.000	0.000	
Subject>Subject.validate_subject_id	1	0.000	0.000	
datetime.datetime>datetime.numArgumentsFromSubscript	17	0.000	0.000	
NWBFile>NWBFile.validate_general_intracellular_ephys_filtering	1	0.000	0.000	
...ChannelVolumeSeries>MultiChannelVolumeSeries.validate_external_file	1	0.000	0.000	
SegmentationLabels>SegmentationLabels.validate_ImageSegmentation	1	0.000	0.000	
Subject>Subject.validate_genotype	1	0.000	0.000	
NWBFile>NWBFile.validate_general_pharmacology	1	0.000	0.000	
NWBFile>NWBFile.validate_general_virus	1	0.000	0.000	
..ultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_pmt_gain	1	0.000	0.000	
NWBFile>NWBFile.validate_stimulus_presentation	1	0.000	0.000	
NWBFile>NWBFile.validate_general_slices	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_power	1	0.000	0.000	
NWBFile>NWBFile.validate_stimulus_templates	1	0.000	0.000	
NWBFile>NWBFile.validate_general_source_script	1	0.000	0.000	
NWBFile>NWBFile.validate_general_protocol	1	0.000	0.000	
MultiChannelVolumeSeries>MultiChannelVolumeSeries.validate_intensity	1	0.000	0.000	
Subject>Subject.validate_weight	1	0.000	0.000	
NWBFile>NWBFile.validate_general_source_script_file_name	1	0.000	0.000	
NWBFile>NWBFile.validate_general_optogenetics	1	0.000	0.000	
NWBFile>NWBFile.validate_general_stimulus	1	0.000	0.000	
NWBFile>NWBFile.validate_general_intracellular_ephys	1	0.000	0.000	
MultiChannelVolume>MultiChannelVolume.validate_imaging_volume	1	0.000	0.000	
...entationLabels>SegmentationLabels.validate_MCVSeriesSegmentation	1	0.000	0.000	
SegmentationLabels>SegmentationLabels.validate_MCVSegmentation	1	0.000	0.000	
...nelVolumeSeries>MultiChannelVolumeSeries.validate_imaging_volume	1	0.000	0.000	
NWBFile>NWBFile.validate_general_extracellular_ephys_electrodes	1	0.000	0.000	
NWBFile>NWBFile.validate_units	1	0.000	0.000	
NWBFile>NWBFile.validate_intervals_epochs	1	0.000	0.000	
NWBFile>NWBFile.validate_intervals_invalid_times	1	0.000	0.000	
...ile>NWBFile.validate_general_intracellular_ephys_sequential_recordings	1	0.000	0.000	
...NWBFile.validate_general_intracellular_ephys_experimental_conditions	1	0.000	0.000	
NWBFile>NWBFile.validate_general_intracellular_ephys_sweep_table	1	0.000	0.000	

...>NWBFile.validate_general_intracellular_ephys_intracellular_recordings	1	0.000	0.000	
NWBFile>NWBFile.validate_general_intracellular_ephys_repetitions	1	0.000	0.000	
...NWBFile.validate_general_intracellular_ephys_simultaneous_recordings	1	0.000	0.000	
NWBFile>NWBFile.validate_intervals_trials	1	0.000	0.000	

*Self time is the time spent in a function excluding any time spent in child functions. The time includes any overhead time resulting from the profiling process.