

FLOXBOX_Level_1>insert_radiances (Calls: 1172, Time: 240.829 s)

Generated 25-Sep-2019 08:35:04 using performance time.

subfunction in file

C:\Users\bbuman\Documents\GitHub\FLUOSPECCHIO\SPECCHIO-Matlab Code\FLOXBOX_Level_1.m

[Copy to new window for comparing multiple runs](#)

Refresh

- ☒ Show parent functions ☒ Show busy lines ☒ Show child functions
☒ Show Code Analyzer results ☒ Show file coverage ☒ Show function listing

Parents (calling functions)







Function Name	Function Type	Calls
FLOXBOX_Level_1>calibrate_space	subfunction	1172


Lines where the most time was spent

Line Number	Code	Calls	Total Time	% Time
400	user_data.specchio_client.upda...	3516	91.260 s	37.9%
397	new_spectrum_id = user_data.sp...	3516	84.978 s	35.3%
411	user_data.specchio_client.remo...	1172	23.440 s	9.7%
422	user_data.specchio_client.upda...	1172	20.045 s	8.3%
416	user_data.specchio_client.upda...	1172	18.726 s	7.8%
All other lines			2.380 s	1.0%
Totals			240.829 s	100%

Children (called functions)

Function Name	Function Type	Calls	Total Time	% Time
ch.specchio_client.SPECCHIOClientCache	Java method	12892	237.442 s	98.6%
java.util.ArrayList	Java method	9376	0.121 s	0.1%

Time Plot







Time Plot


java.lang.Integer	Java method	3516	0.056 s	0.0%	
java.util.Hashtable	Java method	2344	0.046 s	0.0%	
ch.specchio.types.MetaSimple	Java method	1172	0.024 s	0.0%	
Self time (built-ins, overhead, etc.)			3.141 s	1.3%	
Totals			240.829 s	100%	

Code Analyzer results

No Code Analyzer messages.

Coverage results

[Show coverage for parent directory](#)

Total lines in function	48
Non-code lines (comments, blank lines)	33
Code lines (lines that can run)	15
Code lines that did run	15
Code lines that did not run	0
Coverage (did run/can run)	100.00 %

Function listing

Color highlight code according to

time	Calls	line
		387 function insert_radiances(L, provenance_spec
		388
		389 import ch.specchio.types.*;
0.164	1172	390 new_spectrum_ids = java.util.ArrayList()
		391
		392
0.058	1172	393 for i=0:provenance_spectrum_ids.size()-1
		394 % for j=0:provenance_spectrum_ids.ge
		395
		396 % copy the spectrum to new hierarchy
84.978	3516	397 new_spectrum_id = user_data.specchio
		398
		399 % replace spectral data
91.260	3516	400 user_data.specchio_client.updateSpec
0.889	3516	401 new_spectrum_ids.add(java.lang.Integ
		402 % end
		403


```

        spectrum_ids, user_data)

    );

    1
    at(0).size-1

    //
    p_client.copySpectrum(provenance_spectrum_ids.get(i), user_data.prov

    spectrumVector(new_spectrum_id, L(:,i+1));
    ger(new_spectrum_id));

```

```
essed_hierarchy_id);
```

```

0.002      3516  404      end
                                405
                                406
                                407
                                408      % change EAV entry to new Processing Level
0.154      1172  409      attribute = user_data.specchio_client.getEavMetaParameter('Radiance');
                                410
23.440     1172  411      user_data.specchio_client.removeEavMetaParameter('Radiance');
                                412
                                413
0.393      1172  414      e = MetaParameter.newInstance(attribute);
0.091      1172  415      e.setValue(1.0);
18.726     1172  416      user_data.specchio_client.updateEavMetaParameter('Radiance', e);
                                417
                                418      % set unit to radiance
                                419
0.544      1172  420      category_values = user_data.specchio_client.getCategoryValues('Radiance');
0.065      1172  421      L_id = category_values.get('Radiance');
20.045     1172  422      user_data.specchio_client.updateSpectralRadiance(L_id, category_values.get('Radiance'));
                                423
                                424
                                425      % set Processing Attributes
                                426      %      processing_attribute = user_data.specchio_client.getProcessingAttribute('Radiance');
                                427      %
                                428      %      e = MetaParameter.newInstance(processing_attribute);
                                429      %      e.setValue('Radiance calculation in M');
                                430      %      user_data.specchio_client.updateEavMetaParameter('Radiance', e);
                                431
                                432
                                433
0.017      1172  434 end

```

Other subfunctions in this file are not included in this listing.

```

vel by removing old and inserting new
etAttributesNameHash().get('Processing Level');

data(attribute, new_spectrum_ids, 0);

);

data(e, new_spectrum_ids);

ient.getMetadataCategoriesForNameAccess(Spectrum.MEASUREMENT_UNIT);

Metadata(new_spectrum_ids, 'measurement_unit', L_id);

chio_client.getAttributesNameHash().get('Processing Algorithm');

ing_attribute);
atlab');
adata(e, new_spectrum_ids);

```

