<table>
<thead>
<tr>
<th>Author</th>
<th>Commits (%)</th>
<th>+ lines</th>
<th>- lines</th>
<th>First commit</th>
<th>Last commit</th>
<th>Age</th>
<th>Active days</th>
<th># by commits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brad King</td>
<td>443 (14.52%)</td>
<td>7678</td>
<td>57189</td>
<td>2010-08-02</td>
<td>2011-06-08</td>
<td>309 days, 22:26:59</td>
<td>90</td>
<td>1</td>
</tr>
<tr>
<td>Luis Ibanez</td>
<td>375 (12.30%)</td>
<td>141699</td>
<td>108051</td>
<td>2010-08-20</td>
<td>2011-06-09</td>
<td>292 days, 22:53:22</td>
<td>123</td>
<td>2</td>
</tr>
<tr>
<td>Gaã«tan Lehmann</td>
<td>349 (11.44%)</td>
<td>92661</td>
<td>59237</td>
<td>2010-07-26</td>
<td>2011-06-10</td>
<td>318 days, 21:05:44</td>
<td>120</td>
<td>3</td>
</tr>
<tr>
<td>KWSys Robot</td>
<td>315 (10.33%)</td>
<td>327</td>
<td>327</td>
<td>2010-07-31</td>
<td>2011-06-11</td>
<td>315 days, 00:00:14</td>
<td>314</td>
<td>4</td>
</tr>
<tr>
<td>Xiaoxiao Liu</td>
<td>239 (7.84%)</td>
<td>1753891</td>
<td>1736451</td>
<td>2010-12-14</td>
<td>2011-05-26</td>
<td>163 days, 07:08:27</td>
<td>80</td>
<td>5</td>
</tr>
<tr>
<td>Bill Lorensen</td>
<td>215 (7.05%)</td>
<td>7904</td>
<td>11451</td>
<td>2010-09-26</td>
<td>2011-06-11</td>
<td>258 days, 07:11:48</td>
<td>106</td>
<td>6</td>
</tr>
<tr>
<td>Hans Johnson</td>
<td>184 (6.03%)</td>
<td>247240</td>
<td>295906</td>
<td>2010-07-29</td>
<td>2011-06-26</td>
<td>332 days, 05:47:29</td>
<td>82</td>
<td>7</td>
</tr>
<tr>
<td>Bradley Loweckamp</td>
<td>180 (5.90%)</td>
<td>7413</td>
<td>6289</td>
<td>2010-08-03</td>
<td>2011-05-13</td>
<td>282 days, 15:06:47</td>
<td>69</td>
<td>8</td>
</tr>
<tr>
<td>Arnaud Gelas</td>
<td>177 (5.80%)</td>
<td>18196</td>
<td>8767</td>
<td>2010-08-02</td>
<td>2011-06-11</td>
<td>313 days, 02:39:26</td>
<td>67</td>
<td>9</td>
</tr>
<tr>
<td>Kent Williams</td>
<td>151 (4.95%)</td>
<td>13271</td>
<td>5960</td>
<td>2010-10-13</td>
<td>2011-06-10</td>
<td>240 days, 02:45:56</td>
<td>66</td>
<td>10</td>
</tr>
<tr>
<td>Mathieu Malaterre</td>
<td>89 (2.92%)</td>
<td>252972</td>
<td>58377</td>
<td>2010-08-24</td>
<td>2011-01-10</td>
<td>149 days, 17:04:52</td>
<td>31</td>
<td>11</td>
</tr>
<tr>
<td>Cory Quammen</td>
<td>35 (1.15%)</td>
<td>2081</td>
<td>201</td>
<td>2010-09-02</td>
<td>2011-06-11</td>
<td>281 days, 23:20:18</td>
<td>20</td>
<td>12</td>
</tr>
<tr>
<td>Michael Stauffer</td>
<td>34 (1.11%)</td>
<td>4255</td>
<td>870</td>
<td>2010-11-09</td>
<td>2011-04-26</td>
<td>168 days, 02:45:44</td>
<td>26</td>
<td>13</td>
</tr>
<tr>
<td>David Doria</td>
<td>29 (0.95%)</td>
<td>1790</td>
<td>816</td>
<td>2010-10-23</td>
<td>2011-05-16</td>
<td>204 days, 17:17:50</td>
<td>17</td>
<td>14</td>
</tr>
<tr>
<td>Matt McCormick (thwtx)</td>
<td>28 (0.92%)</td>
<td>2853</td>
<td>578</td>
<td>2010-09-03</td>
<td>2011-02-19</td>
<td>169 days, 11:50:26</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>David Cole</td>
<td>25 (0.82%)</td>
<td>5587</td>
<td>5152</td>
<td>2010-09-08</td>
<td>2011-05-03</td>
<td>236 days, 20:54:51</td>
<td>20</td>
<td>16</td>
</tr>
<tr>
<td>Mark Roden</td>
<td>21 (0.69%)</td>
<td>614</td>
<td>406</td>
<td>2010-08-25</td>
<td>2011-03-30</td>
<td>216 days, 02:33:19</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Sean McBride</td>
<td>18 (0.59%)</td>
<td>24</td>
<td>82</td>
<td>2010-12-16</td>
<td>2011-05-18</td>
<td>153 days, 04:02:15</td>
<td>11</td>
<td>18</td>
</tr>
<tr>
<td>Nick Tustison</td>
<td>16 (0.52%)</td>
<td>10566</td>
<td>5531</td>
<td>2010-12-12</td>
<td>2011-06-01</td>
<td>170 days, 17:05:43</td>
<td>15</td>
<td>19</td>
</tr>
<tr>
<td>Marcus D. Hanwell</td>
<td>14 (0.46%)</td>
<td>228</td>
<td>69</td>
<td>2010-10-14</td>
<td>2010-11-17</td>
<td>34 days, 1:09:59</td>
<td>9</td>
<td>20</td>
</tr>
</tbody>
</table>

```
./gitstats/gitstats -c commit_begin=5f6b8ec8de1967a364a0bb2d476455b1e99564c9 \
-c commit_end=HEAD ~/Dashboard/src/ITK ITKv4_Report
```
WHEN? GIT COMMITS

Weekly activity

Hour of Week
HOW? GERRIT
Update `master` to get the latest work by others. We will merge the topic into it.

```
$ git checkout master
```

```
$ git pull
```

Merge the topic and test it.

Subject

- Merge branch 'release'
  - Merge topic 'ScaleVersor3DTransform' into release
  - KWSys Nightly Date Stamp
  - Merge topic 'ScaleVersor3DTransform'
  - Fixed test after the 'ScaleVersor3DTransform'
  - Merge branch 'ScaleVersor3DTransform' into release
  - Merge topic 'tab-in-indent' into release
  - Merge branch 'bug_dicom_warn_preamble_missing' into release
  - Merge branch 'issue-11105-TriangleMeshToBinaryImageFilter-exception' into release
  - Merge branch 'BUG0011098' into release
  - [origin/nightly-master] COMP: fix warning about uninitialized variable.
WHAT?

• Organization
  ▪ Modernization (Third Party)
  ▪ Modularization
  ▪ Simplification
    ▪ Compile time Behavior
    ▪ Code duplication
  ▪ Consistency
MODERNIZATION

- Many third party dependencies have been updated
  - GDCM 2 (DICOM IO)
  - NIFTI
  - VNL
  - OpenJPEG
  - HDF5 (Addition, still being flushed out)
MODULARIZATION

Created an ontological hierarchy

- Encapsulate conceptual units
- Decouple functional units from rest of toolkit

Fine grained inclusion of functions

- Improve code coverage
- ${ITK_LIBRARIES}$
SIMPLIFICATION

• Compile time Behavior
  - ITK_USE_DEPRECATED_LEVELSET_INTERPOLATION, ITK_USE_DEPRECATED_FAST_MARCHING,
    ITK_USE_CENTERED_PIXEL_COORDINATES_CONSISTENTLY, USE_REVIEW_STATISTICS,
    ITKIO_DEPRECATED_METADATA_ORIENTATION, ITK_IMAGE_BEHAVES_AS_ORIENTED_IMAGE,
    USE_OPTIMIZED_REGISTRATION
  - Removed SGI, MSVS 6, Old SUN, cygwin ifdef code
  - Removed all “Legacy” code

• Decouple Test Data from source
CONSISTENCY

- Code API and execution
  - Mask processing in filters
  - Renaming for consistency

- Code Reuse
  - Create abstract base classes for common functionality
MAJOR CHANGES

• Wrapping of ITK Proper
  • Improve end-user experience
  • Improve long term maintenance
  • Improve Documentation

• FEM
  • Improve ITK compatibility
  • Improve coverage

• Registration
  • Conceptual consistency
  • Expanded functionality

• DICOM
  • Improved Support
DAYS INACTIVE REPORT

Who                  : How : days :many : inactive
mean

Arnaud Gelas : 2 : 9
kentwilliams : 11 : 16
Hans Johnson : 7 : 65
Nick Tustison : 2 : 94
Jim Miller : 11 : 97
Brad King : 2 : 121
Tom Vercauteren : 1 : 138
Marcus D. Hanwell : 1 : 139
Vince Magnotta : 6 : 155
Gaetan Lehmann : 12 : 157
Ziv Yaniv : 2 : 169
Luis Ibanez : 51 : 174
Bill Lorensen : 6 : 177
Gabe Hart : 13 : 178
xiaoxiao : 17 : 179
Bradley LoweKamp : 13 : 185
Stephen Aylward : 7 : 189
Bill Hoffman : 1 : 202
alexandre gouaillard : 8 : 207
Ivan Macia : 2 : 211
brian avants : 19 : 211
DISCUSSION POINTS

Unified logins and Integrated systems

- Git
- Gerrit
- Wiki
- Mantis
- ?Midas?

These tools need to be less distinct