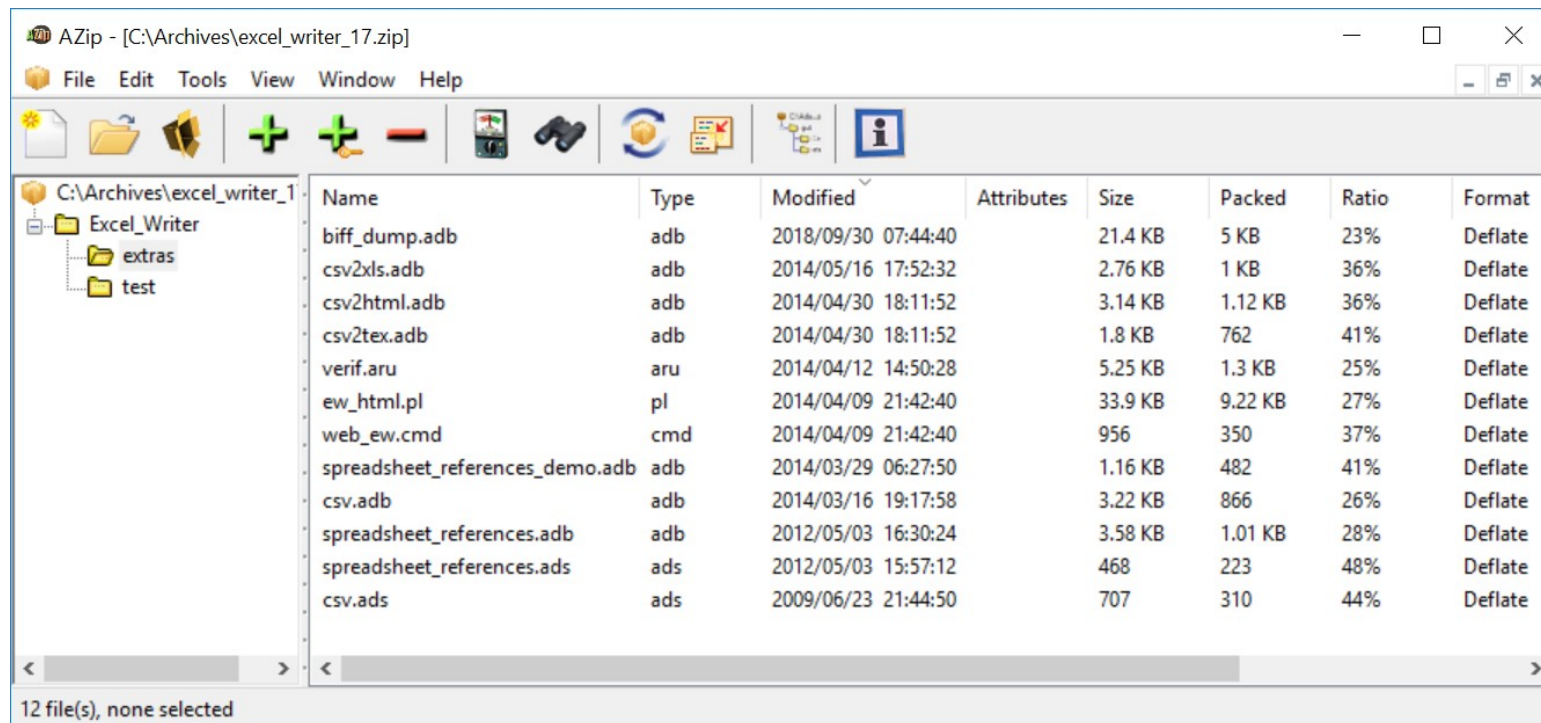




The AZip Archive Manager: a full-Ada Open-Source Portable Application





Why AZip ?

Problem: no free archive manager to my taste

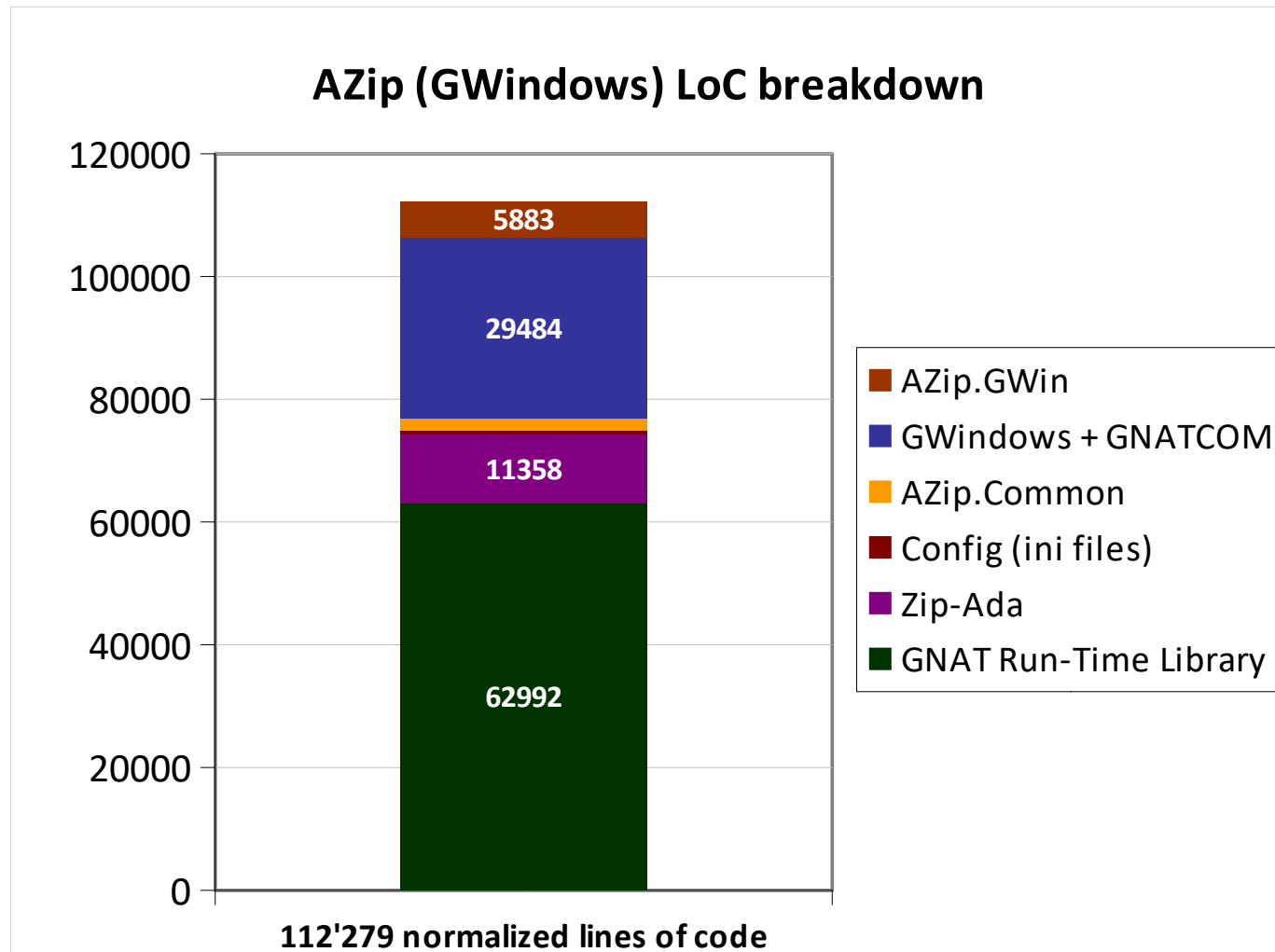
- Others are too complicated, have too many features
- They blur the border between file system and archive
- They lack the few features I need, like a search function

Solution: just do it !

- Good programming exercise
- Opportunity to test the integration of the Zip-Ada library
- Lots of fun!



Inside AZip (GWindows version) – main and 572 with'ed unit files (spec & body)





AZip's portability

There are unfortunately multiple definitions of “portable”

1. sources “can be ported” easily to other systems, with some work
2. sources compile on all systems supported by compilers, without effort
3. binaries run on different systems
4. binaries run without installation



AZip's portability – continued

Bad luck, all those definitions are met in some ways with AZip.

We need to clarify...

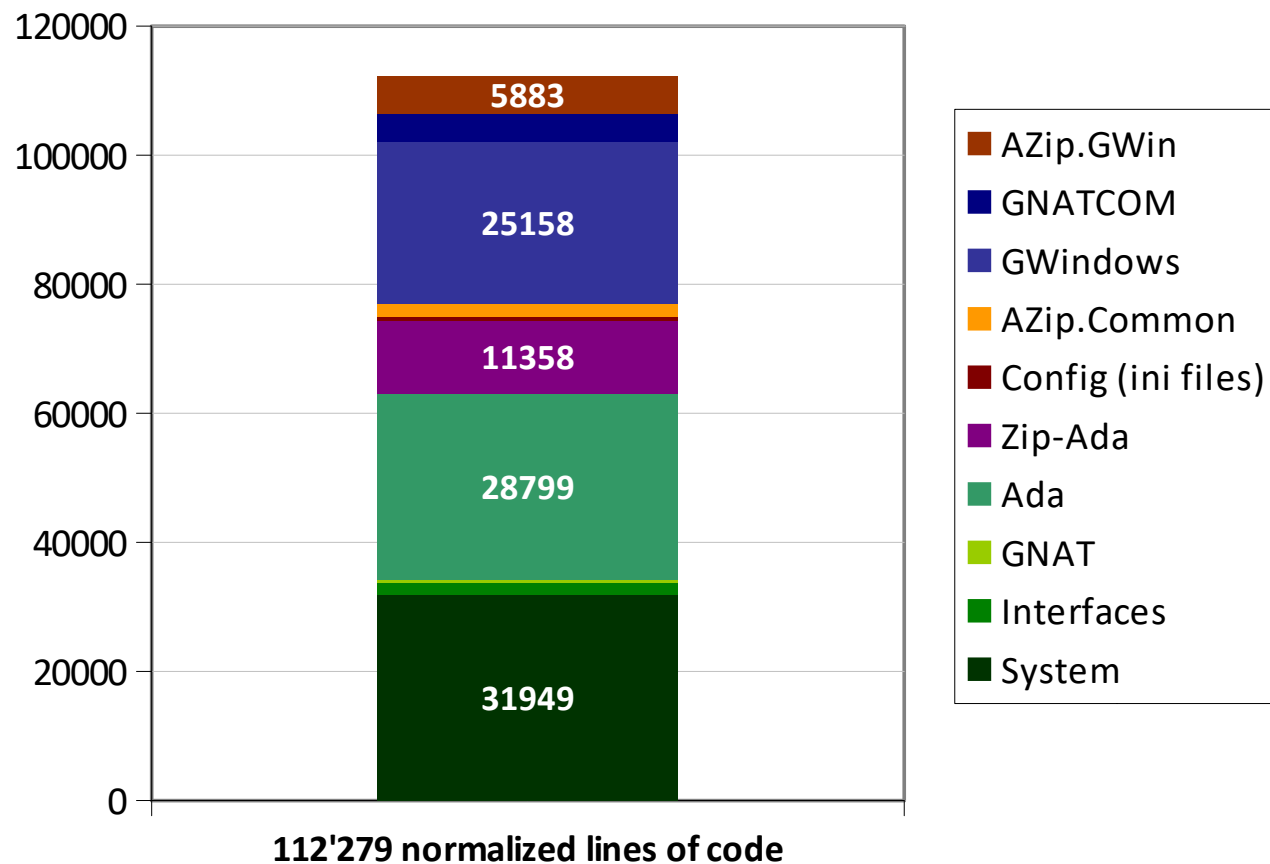
1. **sources “can be ported”**... → yes: UI layer above the abstract application layer: GWindows (done), GTK (in the works...)
2. **sources compile on all systems** ... → yes: everything up to and including the abstract application layer (“pure Ada”)
3. **binaries run on different systems** → yes (GWindows executable): though emulators like Wine
4. **binaries run without installation** → yes (GWindows executable):
 - 1 executable file
 - 1 optional configuration file (stealth mode)





Annex: inside AZip (GWindows version) – more details

AZip (GWindows) LoC detailed breakdown





References – all you need to build AZip

1. AZip web site: <http://azip.sf.net/>
2. Zip-Ada: <http://unzip-ada.sf.net/>
3. Ini files manager: <http://sf.net/projects/ini-files/>
4. GWindows: <http://sf.net/projects/gnavi/>
5. The GNAT Ada compiler: <https://www.adacore.com/community>