



Installation and Use of the Grid Application Toolkit

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MPI für
Gravitationsphysik



Where to get the GAT



- The main page describing the GAT, its aims and development is
 - <http://www.gridlab.org/WorkPackages/wp-1>
- The latest released API documents are available at
 - <http://www.gridlab.org/WorkPackages/wp-1/Documents>
- The latest released code can be downloaded from
 - <http://www.gridlab.org/Workpackages/wp-1/Codes>



Downloading and unpacking the GAT



- The GAT Engine is available as a tarball
 - GATEngine-x.y.z.tar.gz
 - where x.y.z is a version number
- This may be unpacked
 - `tar xvzf GATEngine-x.y.z.tar.gz`
 - or
 - `gzip -dc GATEngine-x.y.z.tar.gz | tar xvf -`
- This will create a directory
 - GATEngine-x.y.z



Installation



- Change into the directory
 - `cd GATEngine-x.y.z`
- Configure
 - `./configure`
- By default this will setup to install in `/usr/local/{bin,lib,include,share}`
- Can override this with the `␣` prefix flag
- e.g. `./configure --prefix=/home/foo/GATEngine`



Installation...



- After configuration type “make” to make the code.
- After the code has been built you can use
 - make testto test the installation.
- To install in the desired location type
 - make install
- This will install the GATEngine library in {prefix}/lib, GAT.h in {prefix}/include, and a default adaptor in {prefix}/share/GAT/Adaptors



Use



- To use the GAT:
 - `#include <GAT.h>`
 - Write GAT calls in your code.
 - Link against the gatengine
 - `libgatengine.a`
 - `libgatengine.so`
 - Create a file listing the full paths to any adaptors to use.
 - Set the environment variable `GAT_ADAPTOR_FILE` to point to this file, or have it in the directory you run the application from.