1 GPArotation Functions

In R, the functions in this package are made available with

```
> library("GPArotation")
```

The most complete reference for the software is: Bernaards, C.A. and Jennrich, R.I. (2005) Gradient Projection Algorithms and Software for Arbitrary Rotation Criteria in Factor Analysis. Educational and Psychological Measurement. A mirror of the original repository that is referenced in the paper, with additional material is available at this link.

Rotations are computed using the Gradient Projection Algorithm code, which can be called directly. Examples of this are available in the help pages for *GPForth* and *GPFoblq*. In R it may be most convenient to pass the rotation name to the factanal program. An example of this is

```
>    data(ability.cov)
>    z <- factanal(factors = 2, covmat = ability.cov, rotation="oblimin")
>    loadings(z)
```

Other examples are available in the help page for *rotations*.