

In Conclusion:

High level goals, for BLAS and LAPACK

- Handle exceptions “consistently”
 - Always terminate, despite exceptions
 - Report exceptions for which a problem is “ill-posed”
 - Ex: eig(NaN)
 - Propagate exceptions “consistently”, to allow higher level applications to be consistent too
- Do not slow down (much)
- Accommodate inconsistent building blocks
 - Eg: How compilers implement max or complex/complex