Gonum BLAS

A collection of packages to provide BLAS functionality for the [Go programming language](#)

Installation

```
go get gonum.org/v1/gonum/blas/...
```

Packages

blas

Defines [BLAS API](#) split in several interfaces.

blas/gonum

Go implementation of the BLAS API (incomplete, implements the `float32` and `float64` API).

blas/blas64 and blas/blas32

Wrappers for an implementation of the double (i.e., `float64`) and single (`float32`) precision real parts of the BLAS API.

```go
package main

import (
    "fmt"

    "gonum.org/v1/gonum/blas/blas64"
)

func main() {
    v := blas64.Vector{Inc: 1, Data: []float64{1, 1, 1}}
    fmt.Println("v has length:", blas64.Nrm2(len(v.Data), v))
}
```

blas/cblas128 and blas/cblas64

Wrappers for an implementation of the double (i.e., `complex128`) and single (`complex64`) precision complex parts of the blas API.

Currently blas/cblas64 and blas/cblas128 require gonum.org/v1/netlib/blas.