Singular Value Decomposition

CULA contains the following LAPACK function equivalents from the Singular Value Decomposition family of computational routines:

Matrix Type	Operation	S	C	D	Z
General	General Singular Value Decomposition	SGESVD	CGESVD	DGESVD	ZGESVD
	Bidiagonal reduction	SGEBRD	CGEBRD	DGEBRD	ZGEBRD
	Generate Q from bidiagonal reduction	SORGBR	CUNGBR	DORGBR	ZUNGBR
Bidiagonal	Find singular values and vectors	SBDSQR	CBDSQR	DBDSQR	ZBDSQR