

Matrix Type	Operation	S	C	D	Z
General	Factorize and solve	SGESV	CGESV	DGESV	ZGESV
	Factorize and solve with iterative refinement			DSGESV	ZCGESV
	LU factorization	SGETRF	CGETRF	DGETRF	ZGETRF
	Solve using LU factorization	SGETRS	CGETRS	DGETRS	ZGETRS
	Invert using LU factorization	SGETRI	CGETRI	DGETRI	ZGETRI
Positive Definite	Factorize and solve	SPOSV	CPOSV	DPOSV	ZPOSV
	Cholesky factorization	SPOTRF	CPOTRF	DPOTRF	ZPOTRF
Triangular	Invert triangular matrix	STRTRI	CTRTRI	DTRTRI	ZTRTRI
	Solve triangular system	STRTRS	CTRTRS	DTRTRS	ZTRTRS
Banded	LU factorization	SGBTRF	CGBTRF	DGBTRF	ZGBTRF
Pos Def Banded	Cholesky factorization	SPBTRF	CPBTRF	DPBTRF	ZPBTRF