

Name	Lines of Code	Input Size	Description	Elements per follower iterator chunk
2mm	221	128 x 128	2 matrix multiplications ( $D=A*B$ ; $E=C*D$ )	4
fw	153	64 x 64	Floyd-Warshall all-pairs shortest path algorithm	2
trmm	133	128 x 128	Triangular matrix multiply	8
correlation	235	512 x 512	Correlation computation	16
covariance	201	512 x 512	Covariance computation	16
cholesky	182	256 x 256	Cholesky decomposition	16
lu	143	128 x 128	LU decomposition	8
mvt	185	4000	Matrix vector product and transpose	250
syrk	154	128 x 128	Symmetric rank-k operations	8
fdtd-2d	201	1000 x 1000	2D Finite Different Time Domain Kernel	16000
fdtd-apml	333	64 x 64 x 64	FDTD using Anisotropic Perfectly Matched Layer	4
jacobi1D	138	10000	1D Jacobi stencil computation	157
jacobi2D	152	400 x 400	2D Jacobi stencil computation	2600
stencil9†	142	400 x 400	9-point stencil computation	2613
pascal‡	126	100000, 100003	Computation of pascal triangle rows	1563
folding‡	139	50400	Strided sum of consecutive array elements	394