







































		Application Features			Execution Targets			
Benchmark Name	Progr. Language, [Libraries,]Prog. Models	Licence	Nodes Base	Nodes	Module/			
				High-Scale	Device			
				$N^{\text{Mem Vars}}$				
Application	Amber*	Fortran, CUDA	<i>Custom</i>	1				
	Arbor	C++, CUDA/HIP	BSD-3-Clause	8	642 ^{T,S,M,L}			
	Chroma-QCD	C++, QUDA, CUDA/HIP	JLab	8	512 ^{S,M,L}			
	GROMACS	C++, CUDA/SYCL	LGPLv2.1	3/128				
	ICON	Fortran/C, OpenACC/CUDA/HIP	BSD-3-Clause	120/300				
	JUQCS	Fortran, CUDA/OpenMP	<i>None</i>	8	512 ^{S,L}			
	nekRS	C++/C, OCCA, CUDA/HIP/SYCL	BSD-3-Clause	8	642 ^{S,M,L}			
	ParFlow*	C, Hypre, CUDA/HIP	LGPL	4				
	PICongPU	C++, Alpaka, CUDA/HIP/OpenMP/SYCL	GPLv3+	8	640 ^{S,M,L}			
	Quantum Espresso	Fortran, ELPA, OpenACC/CUF	GPL	8				
	SOMA*	C, OpenACC	LGPL	8				
	MMoCLIP	Python, PyTorch, CUDA/ROCm	MIT	8				
	Megatron-LM	Python, PyTorch/Apex, CUDA/ROCm	BSD-3-Clause	96				
	ResNet*	Python, TensorFlow, CUDA/ROCm	Apache-2.0	10				
	Synthetic	DynQCD	C, OpenMP	<i>None</i>	8			
NAStJA		C++, MPI	MPL-2.0	8				
Graph500		C, MPI	MIT	4/16/all				
HPCG		C++, OpenMP, CUDA/HIP	BSD-3-Clause	1/4/all				
HPL		C, BLAS, OpenMP, CUDA/HIP	BSD-4-Clause	1/16/all				
IOR		C, MPI	GPLv2	-/> 64				
LinkTest		C++, MPI/SIONlib	BSD-4-Clause+	all				
OSU		C, MPI, CUDA	BSD	1/2				
STREAM		C, CUDA/ROCm/OpenACC	<i>Custom</i>	1				
				$N^{\text{Mem Vars}}$				
Benchmark Name	Progr. Language, [Libraries,]Prog. Models	Licence	Nodes Base	Nodes High-Scale	Module/Device			