

Ptychography, Tomography	MUMPS	XK.jl, Krylov.jl	OpenMP Applications
<p align="center">Drava Runtime</p> <p>Event-Driven Programming Model Real-time high-throughput data processing C, C++ and Python API</p>	<p align="center">XKBlas Library</p> <p>Partial support for BLAS 1, 2 and 3 Task-spawning algorithms to multi-GPUs C, C++ and Julia API</p>		<p align="center">XKOMP Abstraction Layer</p> <p>Pragma API via GOMP, KMP and libomptarget ABI Custom XKOMP ABI (functionality, performance) C++ API (no pragmas) with lambdas</p>
<p align="center">XKRT Parallel Runtime System</p> <p>Tasks, threads, teams, NUMA awarness, workstealing, etc. Device management (initialization, memory, commands, etc.)</p>			
<p align="center">Hardware Devices (e.g., CPU, GPU)</p> <p>pthreads, OpenCL, CUDA, HIP, Level Zero compatible-devices</p>			