```python
@gt4py.cartesian.gtscript.stencil(backend="...")
def laplacian(
    in_phi: gt4py.cartesian.gtscript.Field[float],
    out_lap: gt4py.cartesian.gtscript.Field[float]
) -> None:
    with computation(PARALLEL), interval(...):
        out_lap[0, 0, 0] = - 4.0 * in_phi[0, 0, 0] \
            + in_phi[-1, 0, 0] + in_phi[1, 0, 0] \
            + in_phi[0, -1, 0] + in_phi[0, 1, 0]
```
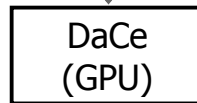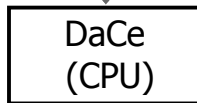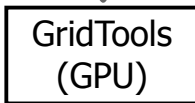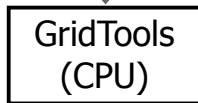
Frontend

GTIR

Optimizations

IIR
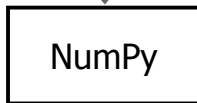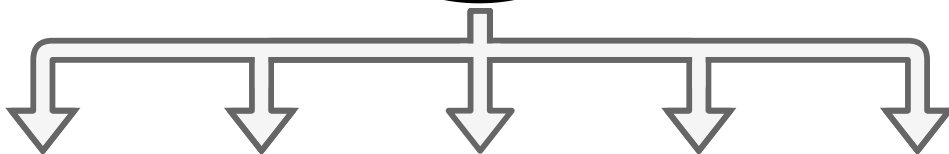
NumPy	GridTools (CPU)	GridTools (GPU)	DaCe (CPU)	DaCe (GPU)	Backends

Code generation

Vectorized Python	Optimized C++	Optimized C++/CUDA	Optimized C++	Optimized C++/CUDA
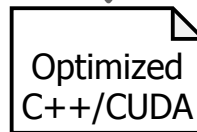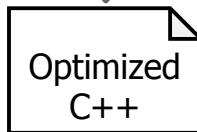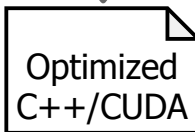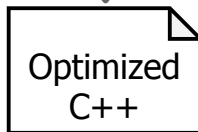
Bindings

```python
laplacian(phi, lap, origin=(1, 1, 0), domain=(nx-2, ny-2, nz))
```