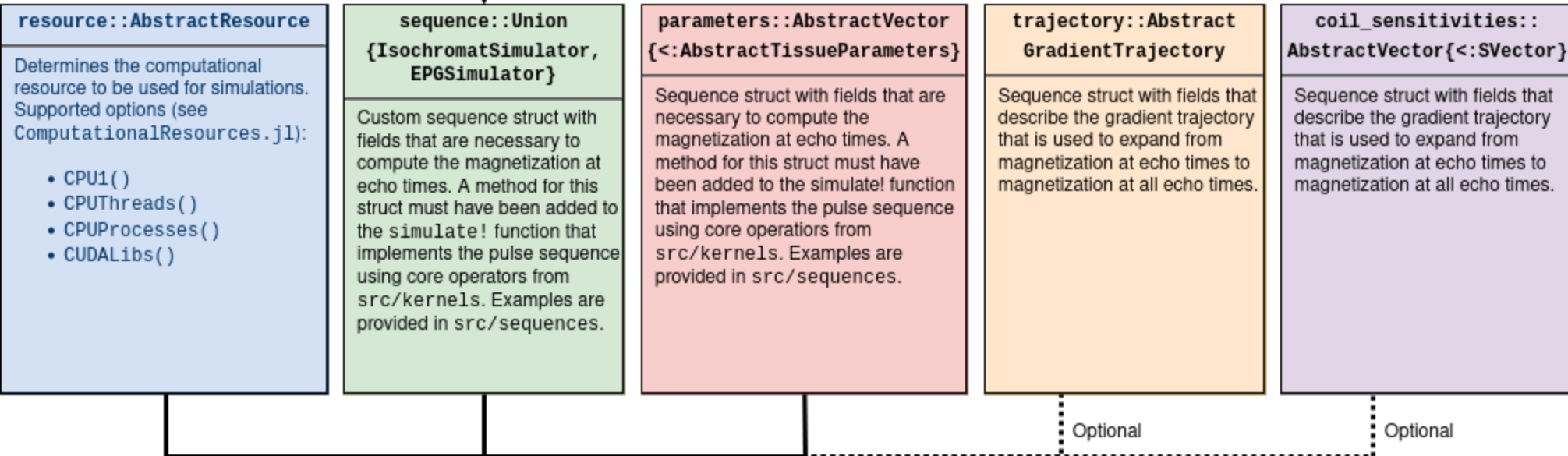


### Core operators

that act on either a spin isochromat or a configuration state matrix to implement the update equation (Eq. 4). The operators include rotation, decay, regrowth, spoiling (EPG only) and several others. The operators are designed to be type-stable and non-allocating fashion and are used to assemble sequence simulators.



**`simulate(resource, sequence, parameters)`**

Compute transverse magnetization at echo times.

**`simulate(resource, sequence, parameters, trajectory, coil_sensitivities)`**

Compute time-domain signal for all receive coils by first computing the transverse magnetization at echo times, and then, using the trajectory information, expanding to all readout points (using Eq. 5) and computing a volume integral over all voxels.