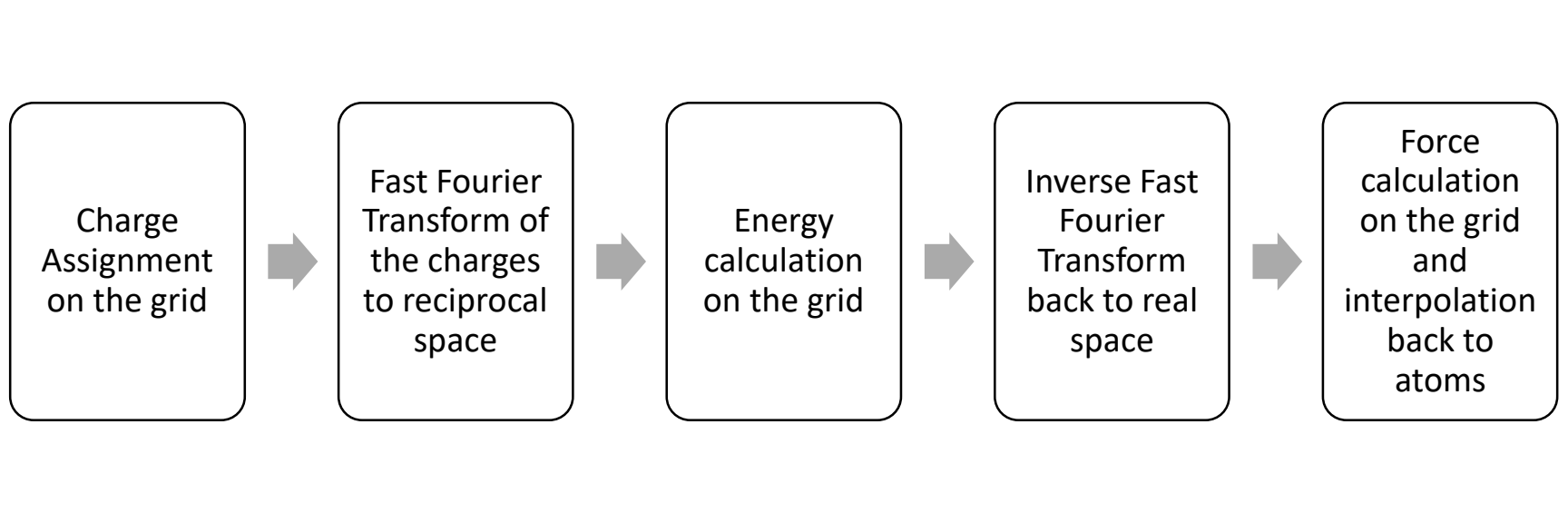


Charge  
Assignment  
on the grid



```
graph LR; A[Charge Assignment on the grid] --> B[Fast Fourier Transform of the charges to reciprocal space]; B --> C[Energy calculation on the grid]; C --> D[Inverse Fast Fourier Transform back to real space]; D --> E[Force calculation on the grid and interpolation back to atoms];
```

This diagram illustrates the five steps of the Ewald summation method for calculating electrostatic forces in a periodic system. The steps are arranged in a horizontal sequence, connected by right-pointing arrows. Each step is contained within a rounded rectangular box. The process begins with charge assignment on a grid, followed by a Fast Fourier Transform to reciprocal space, energy calculation on the grid, an Inverse Fast Fourier Transform back to real space, and finally, force calculation on the grid with interpolation back to the atoms.

Fast Fourier  
Transform of  
the charges  
to reciprocal  
space

Energy  
calculation  
on the grid

Inverse Fast  
Fourier  
Transform  
back to real  
space

Force  
calculation  
on the grid  
and  
interpolation  
back to  
atoms