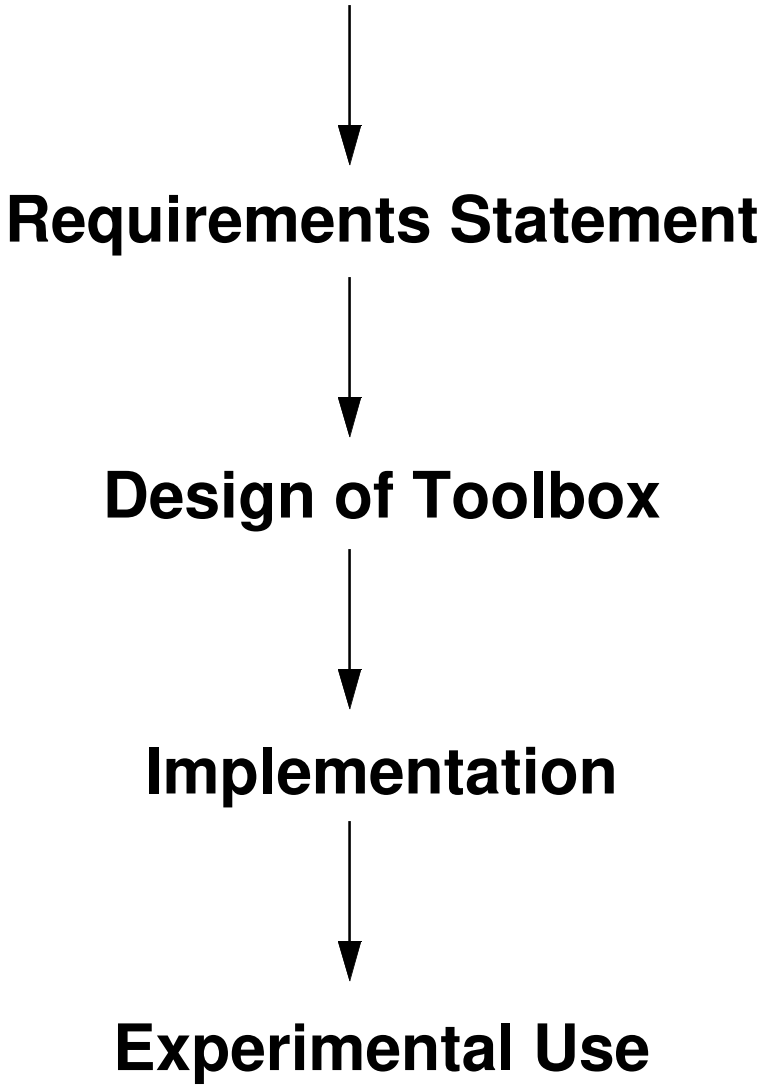
NUMERICAL RELATIVITY TOOLKIT



MODEL OF PROGRAMMING

1. **Uniform Program Structure**

   or

   Multiple Program Structure Types?

2. **Composition from Components**

   Compositional Specification Language

   “Equation-like”

   “HPF/F90”

   “Graphical”

3. **Interactive Analysis and Control**

REQUIREMENTS

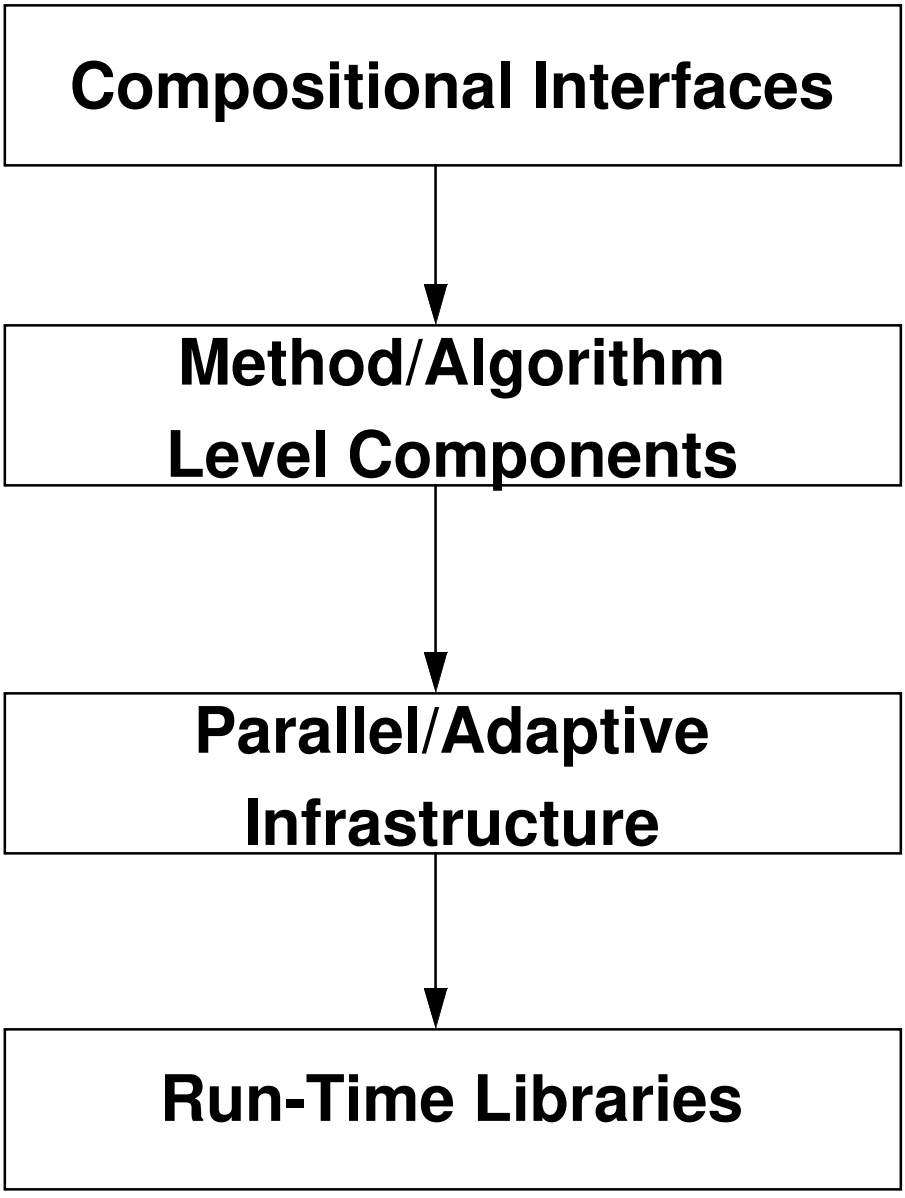
1. Standards for Component Interfaces
   common data structures
   interface conventions

2. Definition of Methods
   Finite Difference
   Others

3. Algorithms

4. Visualization Functionality

FRAMEWORK FOR TOOLKIT



PROCESS

Form Task Forces to Do Draft Documents for Evaluation on Each Task Below

1. Formulate Model of Programming

2. Formulate Requirements

3. Design Elements of Framework