



We want maximum freedom, flexibility, maintainability and performance
we like to have our cake and eat it too

⇒ Need to use **Design Patterns**

- STATE;
- BUILDER;
- MEDIATOR;
- PROTOTYPE.

For details see:

- A. Buttari, S. Filippone, ACM TOMS, 2012
- V. Cardellini, S. Filippone and D. Rouson, Scientific Programming, 2014

*All problems in computer science can be solved by another level of indirection —
Butler Lampson*