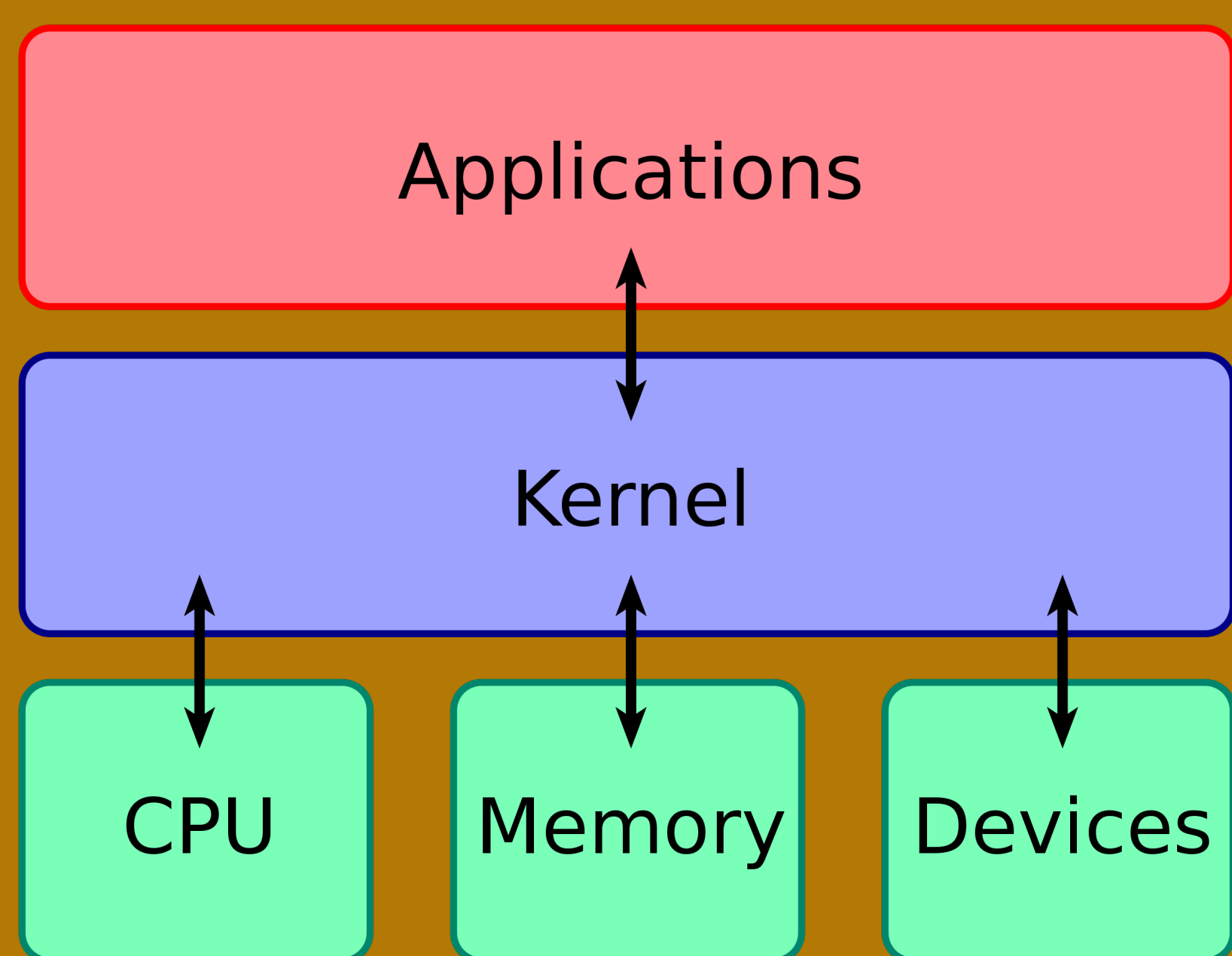


QUARK

Make it smaller, make it simpler

Kernel :

Tool used to virtualize the physical world



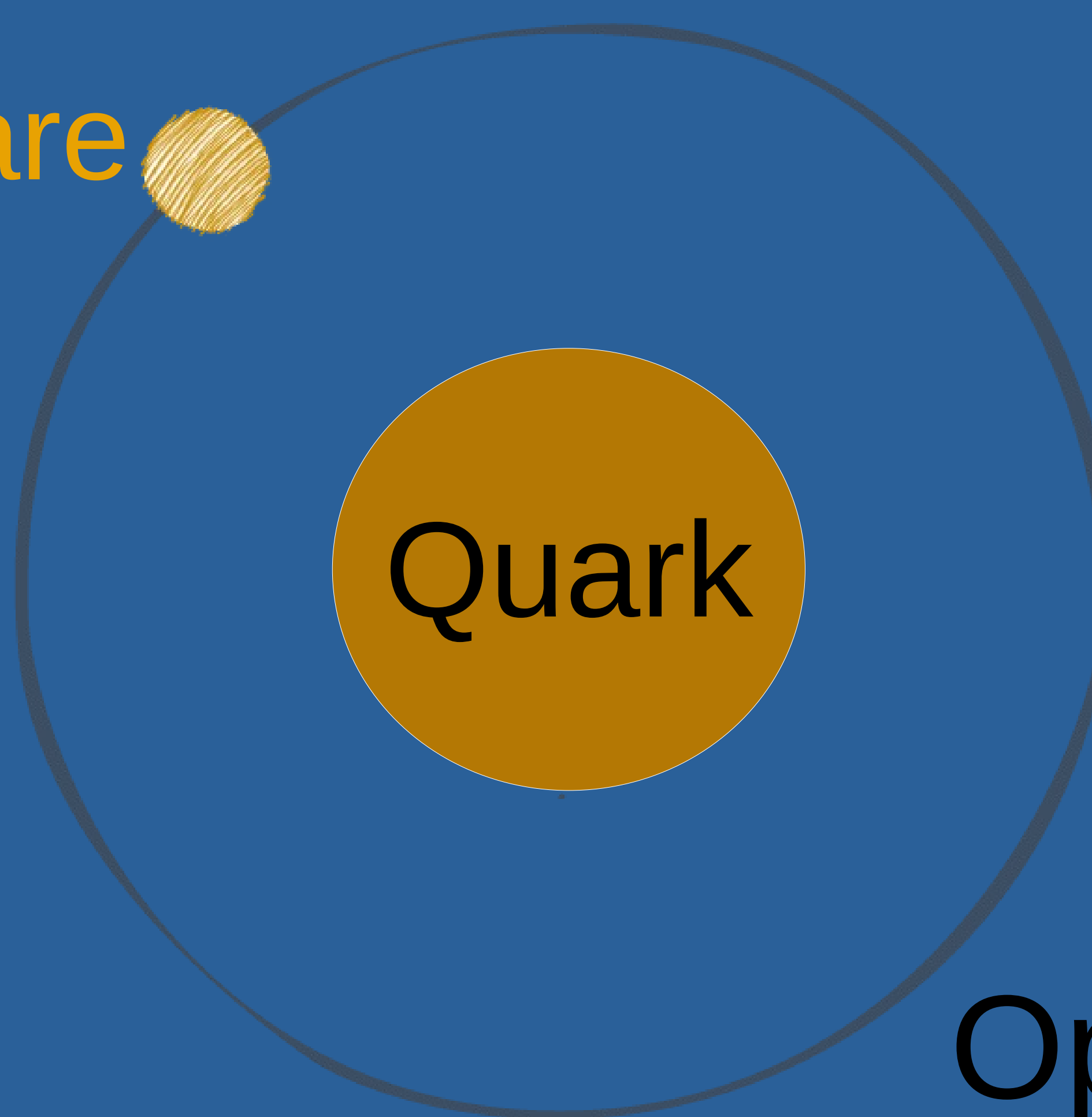
Need to reduce the size of a kernel

Nowadays we develop specific software for specific hardware
Is it possible to have modifiable software ?

Hardware

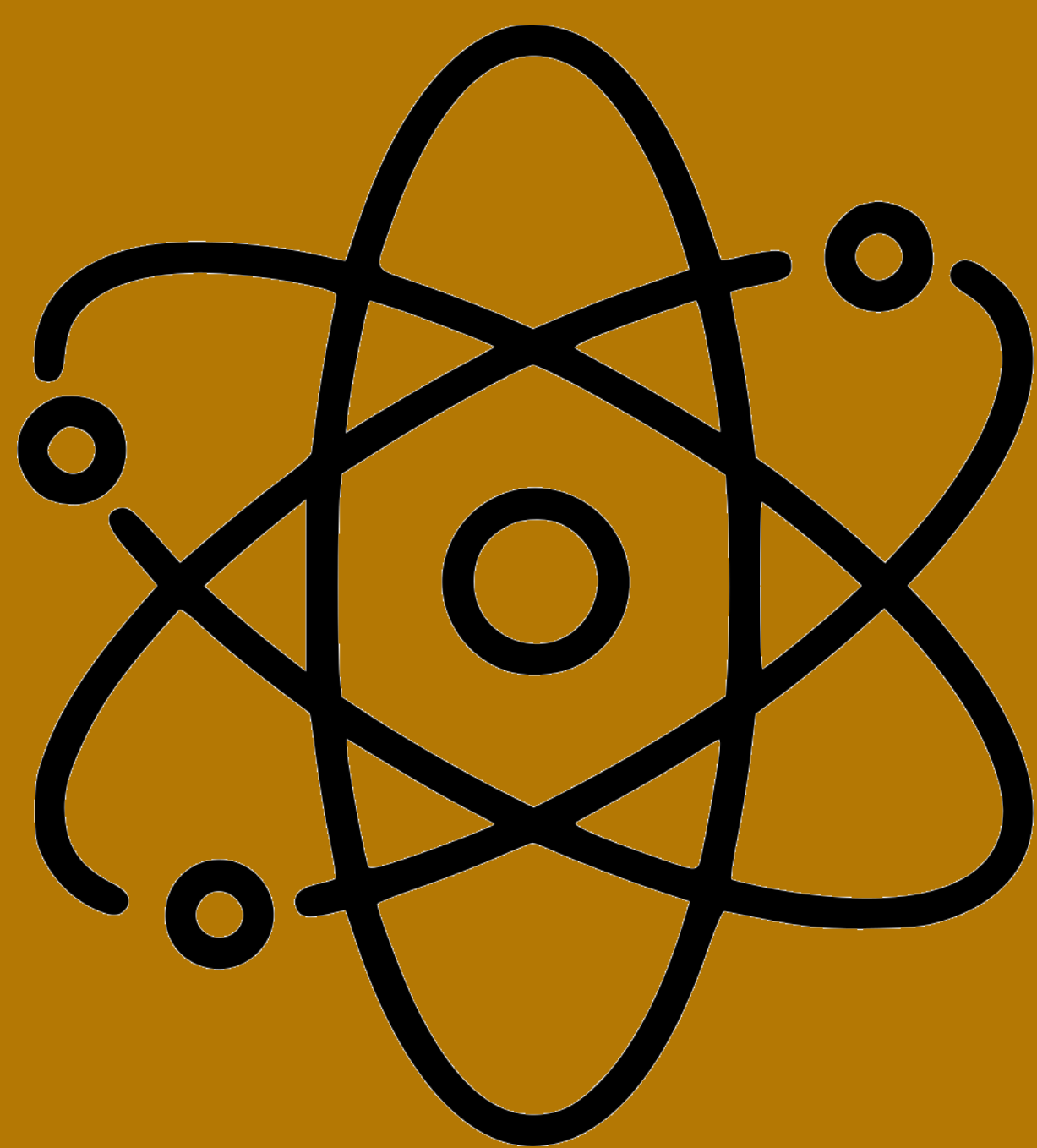
Our job :

- Design applications and tests in order to test this micro-kernel functionalities
- Review and test the code
- Discuss about the design



Technologies :

- Micro-kernel written in C
- Basic toolchain : gcc, gdb, git, vscode
- Telecommuting tool : Discord, hackmd



New kind of micro-kernel :

- Based on a different programming paradigm
- New concepts
- More compatible with the current hardware

New way of thinking :

- Rethink, don't copy
- Smaller makes it simpler
- Conciliation of the hardware and software

