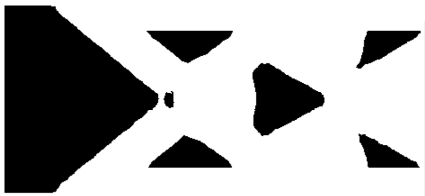
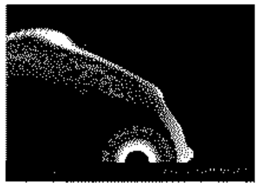
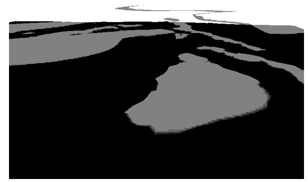
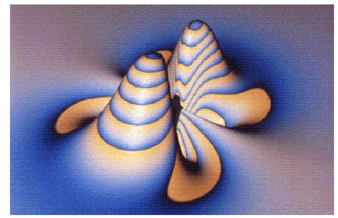
Hierarchy of Software Levels

a) Pure Script (Interpreted)

Numerical Objects in (C++/Fortran/C/Java)

GRID EQU DIFFERENCING BOUNDARY VALUES

b) Semi-Interpreted a la Applets

Expose the Coarse Grain Parallelism

Nodes of Parallel/ Distributed System

c) High Level Language but Optimized Compilation

Expose All Levels of Memory Hierarchy

Memory Levels in High Performance CPU

d) Machine Optimized RunTime