

Probs with FLOW OF CONTROL

Software interfaces and systems, specific processes, level

SW 20/80 [Black: 215]

ONE LEVEL ONLY

2 SIMULA SKETCHPAD, INSIGHT
Objects of a class come and go; their & like behavior continues

EXTENSIBLE LANGUAGE IDEAL
We want for computer languages to start with how they exist to work over-specific behavior of problem methods.

DESIGN PROBLEM
How can we design objects to interact properly?

PARALLEL HARDWARE PROBLEM
It is easier and easier to make computers with multiple CPUs. How to work organize them software?

MAKE EXPLICIT CLASSES OF OBJECTS RESPONSIVE OBJECTS.

CLASS PROBLEM AND PROBLEM

THE PROBLEM IS TO DEFINE BEHAVIOR FOR MEMBERS OF A CLASS

INTER-COMMUNICATION PROBLEM
How can objects send messages one to another?

MAKE MODELS SELF-DEFENDING!

How do tables? queue, invariable as to number. Phooey.

MESSAGE SYSTEM
How objects communicate via explicit messages.

List of types of input (business functions) → result output messages → variable changes!

LOCAL VARIABLES TO EACH OBJECT; CLASS VARIABLES ACCESSIBLE TO ALL OBJECTS