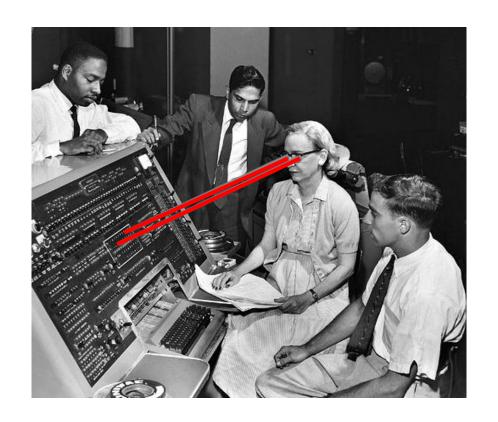
## Projecting a Modular Future

Markus Voelter, Jos Warmer, and Bernd Kolb

http://www.voelter.de/data/pub/projectingModuleFuture.pdf



REAL PROGRAMMERS

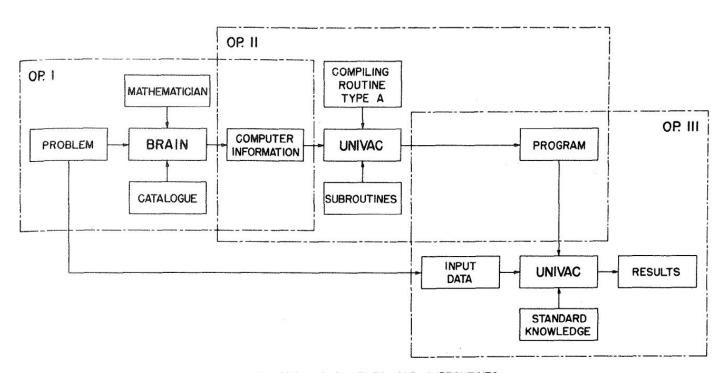
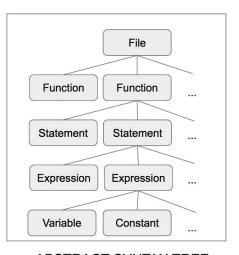
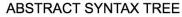


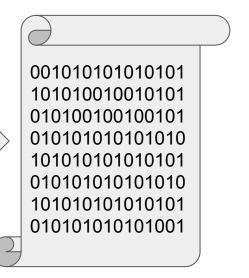
Fig. 5 - COMPILING ROUTINES AND SUBROUTINES

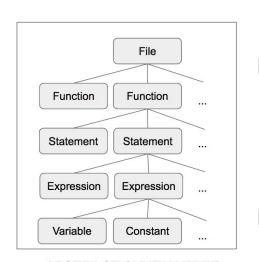
035100	ENABL-STATUS-TEST-01.	CM2024.2
035200	MOVE "ENABLE TERMINAL" TO FEATURE.	CM2024.2
035300	MOVE "ENABLE TERMINAL" TO FEATURE.  MOVE "BAD PASSWORD SUPPLIED" TO RE-MARK.  ENABLE INPUT TERMINAL CM-INQUE-1 WITH KEY "GARBAGE".	CM2024.2
035400	ENABLE INPUT TERMINAL CM-INQUE-1 WITH KEY "GARBAGE".	CM2024.2
035500	IF IN-STATUS IS EQUAL TO "40"	CM2024.2
035600	PERFORM PASS GO TO ENABL-STATUS-WRITE-01.	CM2024.2
035700	MOVE IN-STATUS TO COMPUTED-STATUS.	CM2024.2
035800	MOVE "40" TO CORRECT-STATUS.	CM2024.2
035900	PERFORM FAIL.	CM2024.2
036000	GO TO ENABL-STATUS-WRITE-01.	CM2024.2
036100	ENABL-STATUS-DELETE-01.	CM2024.2
036200	PERFORM DE-LETE.	CM2024.2
036300	ENABL-STATUS-WRITE-01.	CM2024.2
036400	MOVE "ENABL-STATUS-TEST-01" TO PAR-NAME.	CM2024.2
036500	PERFORM PRINT-DETAIL.	CM2024.2
036600	ENABL-STATUS-TEST-02.	CM2024.2
036700	MOVE "BAD SOURCE NAME USED" TO RE-MARK.	CM2024.2
036800	MOVE "GARBAGE" TO SYM-SOURCE.	CM2024.2
036900	ENABLE INPUT TERMINAL CM-INQUE-1 WITH KEY	CM2024.2
U:**-	*scratch* 55% L351 (Lisp Interaction)	





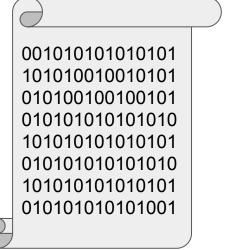






ABSTRACT SYNTAX TREE

035100	ENABL-STATUS-TEST-01.	CM2024.2
035200	MOVE "ENABLE TERMINAL" TO FEATURE.	CM2024.2
035300	MOVE "BAD PASSWORD SUPPLIED" TO RE-MARK.	CM2024.2
035400	ENABLE INPUT TERMINAL CM-INQUE-1 WITH KEY "GARBAGE".	CM2024.2
035500	IF IN-STATUS IS EQUAL TO "40" PERFORM PASS GO TO ENABL-STATUS-WRITE-01. MOVE IN-STATUS TO COMPUTED-STATUS. MOVE "40" TO CORRECT-STATUS.	CM2024.2
035600	PERFORM PASS GO TO ENABL-STATUS-WRITE-01.	CM2024.2
035700	MOVE IN-STATUS TO COMPUTED-STATUS.	CM2024.2
035800	MOVE "40" TO CORRECT-STATUS.	CM2024.2
035900	PERFORM FAIL.	CM2024.2
036000	GO TO ENABL-STATUS-WRITE-01.	CM2024.2
036100	ENABL-STATUS-DELETE-01.	CM2024.2
036200	PERFORM DE-LETE.	CM2024.2
036300	ENABL-STATUS-WRITE-01.	CM2024.2
036400	MOVE "ENABL-STATUS-TEST-01" TO PAR-NAME.	CM2024.2
036500	PERFORM PRINT-DETAIL.	CM2024.2
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036800	MOVE "GARBAGE" TO SYM-SOURCE.	CM2024.2
036900	ENABLE INPUT TERMINAL CM-INQUE-1 WITH KEY	CM2024.2
U:**-	*scratch* 55% L351 (Lisp Interaction)	



double maths = 
$$\log_{10} \left[ \sqrt{\frac{\sum_{i=0}^{\text{count}} pi^i}{42}} \right];$$

otherwise maths;

```
// Don't screw up your units.
uint32/m/ distance = 16 m;
uint32/m \cdot s^{-1}/ speed = \frac{distance}{5 s};
uint32/km \cdot h^{-1}/ limit = 100 kph;
do {
  printf("You're going too fast!");
} unless ( speed <= limit );</pre>
```

## DEMO TIME