Multi-dimensional separation of concerns

Change-based Feature-oriented programming

Features implemented as sets of changes

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delMDSOC virtual machine model
supports modularization of crosscutting concerns

Optimization techniques

Graph rewriting semantics

Machine code

class Buffer {
    int buf = 0;
    int back = 0;
    int gen() {
        return (buf);
    }
    void set(int x) {
        back = back + 1;
        buf = x;
    } void restore() {
        log((int)buf);
        back = back + 1;
        buf = x;
    } void log(int x) {
        print(buf);
        print(buf + x);
    } void log(int x) {
        print(buf);
        print(buf + x);
    }