

# Update on VDMTools

Shin Sahara

佐原伸

JFITS Co., Ltd.

a subsidiary of CSK Corporation

# Fixed Bugs

- ◆ We fixed about 100 bugs
  - ◆ fixed **memory leak**
    - ◆ **100 times faster** than IFAD ver.
  - ◆ fixed many **abort** places
  - ◆ can **save tool option**

# UNIX version

- ◆ about 3 times faster than IFAD version
- ◆ Mac OS X version made

# internationalization

- ◆ internationalized UNIX version
  - ◆ linux, Mac OS X
- ◆ TeX pretty print
- ◆ freadval

# test for large systems

- ◆ save and load objects
  - ◆ 120 minutes to 1 minutes for preparing each test case
- ◆ Merge code coverage files
  - ◆ by awk command

# cooperation strategy

- ◆ CSK *VDM strategy* = still refining
- ◆ CSK will open at least
  - ◆ static semantics (SS) *PDF file*
  - ◆ dynamic semantics (DS) *PDF file*
- ◆ I'll try to open
  - ◆ *all sources of parser, SS, DS*

# Future of CSK VDMTools

- ◆ Mr. Aruga wants to be open source
- ◆ CSK is organizing VDM consortium
- ◆ CSK strategy = still refining =>

We can decide the strategy :-)