Notes and Bug Fixes for BSIM3v3.2.2

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- Add model version number checking. If the version number specified is different from its default value, a warning message is given both on the standard output and in the log file "b3check.log".
- BSIM3v3.2.2 uses bias-independent *Vfb* for capMod=1 and 2.
- Bug fixes in BSIM3v3.2.2 as listed in this table.

List of Bugs in BSIM3v3.2 and Fixed in BSIM3v3.2.2

Description of Bug	Involved C-file	Bug Reporter	Fixed by
Potential non-zero *Vdseff* and *VdseffCV* at *Vds*=0.0	b3ld.c (in DC, capMod=2, 3)	K. H. Kim (Hyundai) J. H. Kim (Hyundai) H. S. Yoon (Hyundai)	K. H. Kim (Hyundai) J. H. Kim (Hyundai) H. S. Yoon (Hyundai) Weidong Liu (UC Berkeley)
Potential discontinuity in diode I-V	b3temp.c b3ld.c	Kiran Gullapalli (Motorola)	Kiran Gullapalli (Motorola) Weidong Liu (UC Berkeley)
The derivative of *Tcen* missed in an if-else statement in capMod=3	b3ld.c	Solti Peng (TI)	Solti Peng (TI) Weidong Liu (UC Berkeley)
The derivative of *Abulk DAbulk_dVg* missed when *Abulk* < 0.1	b3ld.c	Solti Peng (TI) K. H. Kim (Hyundai) J. H. Kim (Hyundai) H. S. Yoon (Hyundai)	Solti Peng (TI) K. H. Kim (Hyundai) J. H. Kim (Hyundai) H. S. Yoon (Hyundai) Weidong Liu (UC Berkeley)
Definition of *ScalingFactor* missed in NQS AC and PZ analyses	b3acld.c b3pzld.c	Min-Chie Jeng (WSMC)	Min-Chie Jeng (WSMC) Weidong Liu (UC Berkeley)
ScalingFactor missed in some NQS matrix elements in AC and Pole-Zero	b3acld.c b3pzld.c	Wenliang Zhang (Avant!)	Wenliang Zhang (Avant!) Weidong Liu (UC Berkeley)