PSCAD v4.6.3 (Hot Fix 1)

Released: February 8, 2019

Master Library:

1. *Real Pole: Limits Min/Max were used in the code even when the limits were disabled (#7143).*
2. *Photovoltaic Source: numerical overflow situation avoided by limiting the voltage when taking the exponential.*
3. *DC Machine: potential situation to modify input parameters was avoided by copying the parameters to a different variable.*

EMTDC:

1. *Saturable reactor was removing the wrong data point when the slopes are the same (#6885).*
2. *Negative gain with limits enabled give wrong results in real/lead-lag/diff poles (#7026).*
3. *In a volley launch situation make the seed for random number generation unique (#7029).*
4. *Transformer tap changer was not working correctly in some specific situations (#7092).*
5. *Output of yoke flux in single-phase 3/4 winding transformer is always zero (#7119).*
6. *Phase angle of FFT oscillates between -90 and 270 instead of -180 and 180 when configured for Sequence/Sine/Degrees (#7238).*
7. *Basic hysteresis model was not working correctly with some compilers when the transformer is energized later than time=0 (#7274).*