

## PSS Gain Fix

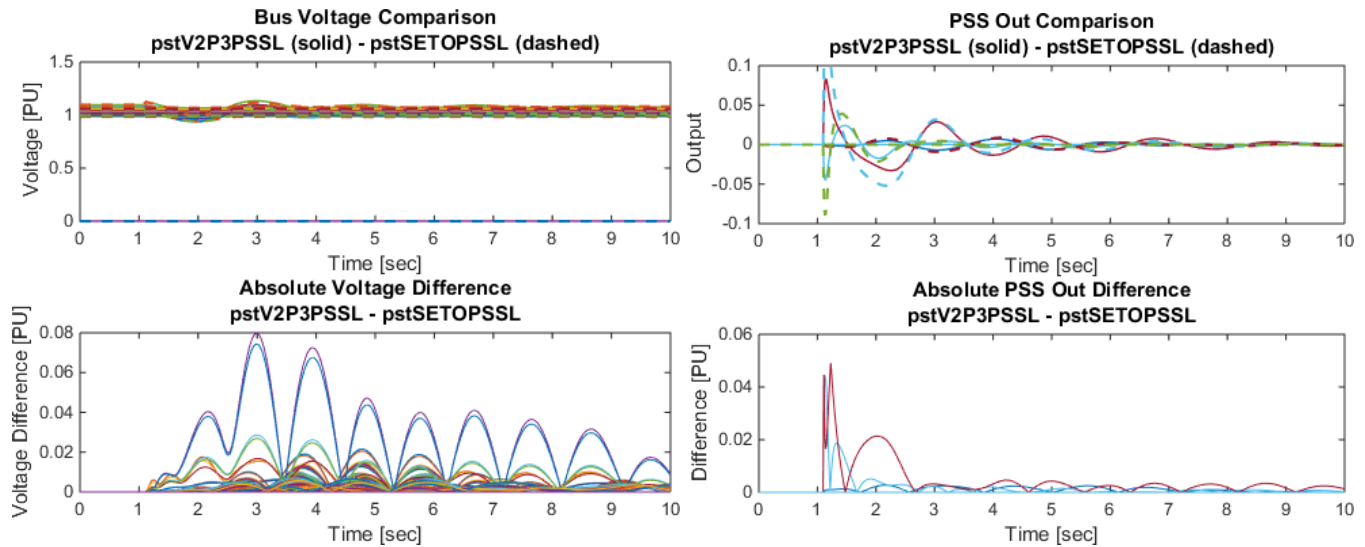
The PSS washout time constant ‘correction’ that occurred between PST version 2 and 3 requires a minor adjustment to the d\_ file `pss_con` for appropriate model behavior between versions.

The adjustment carried out by setting a `pssGainFix` flag to one is:

```
pss_con(:,3) = pss_con(:,3)./pss_con(:,4);
```

## Standard Comparison

A miniWECC line trip was simulated to show the default differences between PST version 2 and 3 (SETO).



## Fixed Comparison

Turning the `pssGainFix` flag on fixes the immediate differences between the PST model versions. Noise on the order of  $10^{-14}$  to  $10^{-13}$  occurred after about 8.5 seconds. This is believed to be due to division rounding.

