

The purpose of this document is to record what was done to enable inductive generators **mac_igen** in PST to use the structured global variable **g** and other ‘clean up’ actions taken.

Each paragraph describes the required changes to the PST file.

Initial globals:

```
%% Original globals block condensed into g...
%% induction genertaor variables - 19
global  tmig  pig qig vdig vqig  idig iqig igen_con igen_pot
global  igen_int igbus n_ig
%states
global  vdpig vqpig slig
%dstates
global  dvdpig dvqpig dslig
% added globals
global  s_igen
```

Modified globals:

```
global g
```

Non-Linear files

handleNewGlobals

- Addition of **igen_con** to global **g**

i_simu

- Addition to **igen** to global **g**

mac_igen

- Updated internal function documentation.
- Addition to **igen** to global **g**

red_ybus

- Addition to **igen** to global **g**

s_simu_Batch

- Addition to **igen** to global **g**

Linear Specific files

Alteration of system globals to use **g.igen** structure:

- **svm_mgen_Batch**
- **ns_file** (ran as a script)
- **p_m_file** (ran as a script)
- **p_file** (ran as a script)
- **p_cont** (ran as a script)