

1. EMTGEN_OLD MACRO SUMMARY

Macro has generated successfully 297 TRANS126 elements.

Component name of generated EMT elements = EMTELM .
Active structural DOF for TRANS126 elements = uy .
DC voltage drop flag value = 1 .
Initial gap between I and J nodes of EMT element = -0.7 .
Minimal gap between I and J nodes = 0.1 .
Young modulus for EMT element normal stiffness = 60 .
Component of structural boundary nodes: TRUP .

2. EMTGEN_NEW (with Elasticityfactor = 0.0003550295857) MACRO SUMMARY

Macro has generated successfully 297 TRANS126 elements.

Component of structural boundary nodes: TRUP .
Component name of generated EMT elements = EMTELM .
Component name of generated EMT plane nodes = EMTENO .
Active structural DOF for TRANS126 elements = uy .
Initial gap between I and J nodes of EMT element = -0.7 .
Minimal gap between I and J nodes = 0.1 .
Modulus of elasticity for EMT contact stiffness = 60 .
Free-space permittivity value = 8.854E-06 .

1. OLD	2. NEW
Voltage Displacement.	Voltage Displacement.
10.000 0.0602	10.000 0.0601
11.000 0.0752	11.000 0.0751
12.000 0.0927	12.000 0.0925
13.000 0.1135	13.000 0.1131
14.000 0.1384	14.000 0.1375
15.000 0.1689	15.000 0.1681
16.000 0.2081	16.000 0.2060
17.000 0.2655	17.000 0.2627
18.000 0.6042	18.000 0.6042

Values from EMTGEN_OLD MACRO:

/com,	ESSOLV:	TRANS126:
/com,	Voltage Displacement	Voltage Displacement
/com,	10.0V 0.062	10.0V 0.060
/com,	11.0V 0.077	11.0V 0.075
/com,	12.0V 0.095	12.0V 0.093
/com,	13.0V 0.117	13.0V 0.114
/com,	14.0V 0.143	14.0V 0.138
/com,	15.0V 0.174	15.0V 0.169
/com,	16.0V 0.214	16.0V 0.208
/com,	17.0V 0.278	17.0V 0.265
/com,	18.0V 0.600	18.0V 0.604