

**ANSYS Class3 Error Report****ERROR NO:**

2014-03

**Keywords:**

CONTA171	CONTA172	CONTA173	CONTA174	CONTA175
CONTA176	CONTA177			
TINTP	COMMAND	FRICITION	TRANSIENT	

**Description of Error:**

The slip rate used in a transient analysis (ANTYPE,TRANS) is mistakenly scaled by an internal factor depending on the transient integration parameters defined by TINTP. The solution will be incorrect when the slip rate effect is included using one of the following methods:

1. Define friction as a function of sliding velocity via the TB,FRIC command;
2. Define static/dynamic friction via real constants FACT and DC.

**Typical GUI Path(s):**

Main Menu>Solution>Load Step Opts>Time/Frequenc>Time Integration>Newmark Parameters

**Other Comments:****First Incorrect Version:**

Release 10.0

**Corrected In:**

Release 16.0

**Suggested User Action For Running on Uncorrected Version:**

If default TINTP parameters are used, manually scale the frictional parameters by a factor of ALPHA/DELTA used in one of above methods.

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**Reviewed By QA:**

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**Approval:**

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