



MADYN 2000, Error Report June 2014

No.	Release	Error description	Workaround	Status
1	4.0.0	Speed dependence of REB is not considered in case bearing loads are from SAN with rigid bearings.	Carry out SAN with non-rigid bearings.	Will be solved in 4.0.5
2	4.0.0	Nonlinear TRA with FRB analysis type DIN: The check box to calculate the speed dependent mean temperature from the linear DIN table for the nonlinear analysis does not work. As a consequence the analysis is always carried with constant temperature.		Solved in 4.0.3
3	4.0.1	For the nonlinear characteristics of fluid film bearings, the angles are not correctly stored. This leads to wrong results in transient analyses for characteristics, which have been calculated in version 4.0.1.		Solved in 4.0.2
4	4.0.1	FCP nonlinear rubber coupling: Changing the file with the nonlinear function does not delete the results of the nonlinear transient analyses with this function.	Delete the nonlinear function before loading a new function.	Solved in 4.0.2
5	3.7.5 to 3.7.7	Unbalance value in [gmm] defined by G imported from a batch processing file is not updated according to the rotor mass.	Open UNB GUI, click into any edit field and close the GUI.	Solved in version 4.0
6	All	For axis symmetric elements, which contain conical sections and are mounted in – direction, the model (structure matrices) cannot be created.	Turn the axis symmetric element and mount it in + direction.	Solved in version 4.0



7	All	<p>Copy paste loads from different systems: In case the new system does not contain the stations of the system from which loads are copied, subsequent analyses crash, without proper error message.</p> <p>In release 3.8 the copying of loads will be checked and loads at non existing stations will be ignored.</p>		Solved in version 4.0
8	All	<p>In case of a pressure dam bearing with upward load, the pressure dam should be in the lower pad. For this the bearing has to be turned, which works well. However, the following bearing analysis in ALP3T does not consider the correct geometry.</p>	<p>Model the pressure dam as a hydrodynamic pocket.</p> <p>Another option is to calculate the bearing with downward load, export the coefficients in dimensioned form, rotate them and import them as bearing type "import dimensioned".</p>	Solved in version 3.7.5
9	3.7.4	<p>Nonlinear forces of RFB are wrong in case of negative rotation. Only the forces in the results are wrong. During the time integration they are correct.</p>		Solved in version 3.7.5