MADYN 2000, Error Report October 5th 2018

No.	Release	Error description	Workaround	Status
1	All Versions	Hot spot stability analysis (Morton effect) for fluid film bearings including thermoelastic deformation: The deformation is combined in a wrong way with the clearance.	Hot spot stability analysis can be done without consideration of the thermoelastic deformation and adapting the clearance to the deformed bearing.	Will be fixed in version 4.4.5
2	All versions	REB used as shaft in shaft connection: In case the outer shaft has high rotational deflections, the calculated REB moments are not correct.		Fixed in version 4.4.4
3	4.3 and before	TRA result deletion with linear bearings: Results of transient analysis were not deleted in case of bearing changes.		Fixed in version 4.3.13
4	4.3.6 and before	In the newly introduced feature to consider the thermal deformation in the floating ring bearings the nonlinear bearing and squeeze film damper forces are not looked up correctly. The error is rather small except for the case of reference temperatures considerably below the inlet temperature.		Fixed in version 4.3.7
4	4.3.3 and before	For the special case, that a DBS is used with an SFD and RSB the eigenvalue analysis is not running correctly.	Use a RSB or a RFB with imported data combining the properties of the SFD and the RSB.	Fixed in version 4.3.4 or 4.3.5
5	4.3.3 and before	RFB calculation with the oil supply condition "unsealed defined flow" in combination with 2-phase flow is not converging well.	For the case with a large defined flow, the analysis without 2-phase flow gives good results.	Fixed in version 4.4.0