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### **Strength Analysis of PGV-1000M Steam Generator Support**

*The paper presents the design of PGV-1000M steam generator support. It is shown that the load in the rolling support is distributed extremely unevenly, which is associated with the compliance of the support construction. It is demonstrated that under working loads only several rollers are used, the stresses in which exceed the yield strength. This can be an additional loading factor to be considered in the analysis of welding No. 111 failure.*

*Keywords: steam generator support, contact problem, rolling support.*