

# **New Efficient Frequency Domain Algorithm For Happroximation With Applications To Controller Reduction**

Kavranoglu, D. Al-Amer, S.H.;Dept. of Syst. Eng., King Fahd Univ. of Pet.Miner., Dhahran;

**Control Theory and Applications, IEE Proceedings -;Publication Date: Sep 2001;Vol: 148,Issue: 5**

King Fahd University of Petroleum & Minerals

**<http://www.kfupm.edu.sa>**

## **Summary**

New frequency domain computational schemes for the weighted and unweighted H norm system approximation problems are introduced. The schemes are applicable in both continuous and discrete-time cases. The new algorithm is used to obtain reduced order controllers for a well known control problem

For pre-prints please write to:[abstracts@kfupm.edu.sa](mailto:abstracts@kfupm.edu.sa)