

Abstract Submitted  
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**Mirnov Coil Analysis by Singular Value Decomposition Method in IR-T1 Tokamak** MOHAMMAD K. SALEMI, SHERVIN SAADAT, MAHMOUD GHORANNEVISS, ALIREZA TABADAR, Islamic Azad University — The spatial and temporal structures of magnetic signal in the tokamak is analyzed using recently developed singular value decomposition (SVD) technique to determine the structure of current perturbation as the discharge progresses. In this work we use SVD technique for that purpose in IR-T1 tokamak.<sup>1</sup>

<sup>1</sup>C. Nardonet, “Multichannel Fluctuation Data Analysis By The Singular Value Decomposition Method Application To MHD Modes In Jet,” Plasma Physics & Controlled Fusion, V. 34, No. 9, 1992, 1447-1465

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