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disturbances according to basic control theory the system can be fully characterized by its impulse response s which can be transformed into frequency domain and presented by the frequency response function frf the excitation x t is injected into the system and the output response y t is"**use of adaptive model of balance control in the**

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April 26th, 2020 - the invention claimed is 1 a method of producing perturbation signals adaptable to exciting a predetermined number of input variables of a system in order to test that system for the purpose of obtaining models for the synthesis of a model based controller a method prising the steps of a providing input parameters of the system b generating a plurality of binary multi frequency bmf'

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April 7th, 2020 - the proposed approach has several advantages over other approaches the steady state of the system does not need to be known nor achieved prior to the perturbation general type perturbations can be used dynamics relatively fast pared to the sampling time can be detected and removed from the identification linear dependencies due to moiety conservations can be identified and processed'

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