

DYNAMICS OF IMMERSED TUBE TAKING INTO ACCOUNT THE TUBE
BAFFLE IMPACT

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ABSTRACT This paper presents an analytical model for the immersed tube-baffle interaction. In this case both squeeze film and impact effect lead to the system equations coupling. Using the exponentials of operators the problem is solved in $2N$ spaces, where the lateral displacement and velocity of the tube are given. Finally the influence of some parameters related to the contact force is shown in Table II.