Dear Editor,

Please consider for publication in the Journal of Computational Physics the attached manuscript entitled *A moment-of-fluid method for diffusion equations on irregular domains in multi-material systems*. The significance and novelty of this paper are:

A simple, robust, first-order accurate finite-volume method, coupled with the moment of fluid procedure, which can handle the diffusion problem in multiple materials system occupying highly complex geometry, is proposed. Our method is a lower order method, but could handle multi-material diffusion with filamentary region without the need of AMR.

Thank you for your time and consideration.

Sincerely yours,

Department of Mathematics,
Florida State University