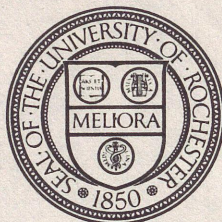


COLLEGE OF ENGINEERING
AND APPLIED SCIENCE



The University of Rochester

DEPARTMENT OF MECHANICAL AND AEROSPACE SCIENCES
ROCHESTER, NEW YORK 14627
(716) 275-4072

February 14, 1974

Prof. Ram K. Varma
Physical Research Laboratory
Navrangpura
Ahmedabad 380009 India

Dear Prof. Varma:

I am happy to recommend Mr. V. G. Abhyankar to you for a research position at your laboratory. Abhyankar has carried through a long and difficult thesis and is now engaged in the final writing of it. I think you may be quite interested in some of the results. We used the fluid equations you introduced in your 1967 paper to investigate the general stability surfaces when both temperature gradients and density gradients exist in the presence of "gravity". We found that your equations are quite sufficient for all cases except the pure temperature mode. In that case, a generalization of your equations takes care of the matter. In the process of doing this, we found a rather general way to derive the equations. We also believe there is an error in Krall's treatment at long wavelengths. Details of these and some non-linear applications will be in his thesis and a future paper.

At all times, I found Abhyankar to be a very hard working, responsible individual. At first, he tended to run into roadblocks in the research and depended on me to find ways out. As his experience grew, and as I spent less and less time with him, he began to find ways out of his difficulties and to suggest original approaches. I think he is reasonably original, has good initiative and should develop well in a research environment. He is rather good at applied mathematics and in using computers, and has a good background in classical physics and engineering.

Sincerely yours,

Albert Simon
Professor

AS:es