C E R T I F I C A T E

Prof.Dr. L. RADHAKRISHNA
M. A. ,Ph.D. ,
F.R. A.S. (London) ,
F. M. A.S. (Bombay) ,
M. N.Y. A.S. (New York) ,
Shivaji University,Kolhapur.

I certify that the dissertation entitled

'' SPECIAL GEOMETRICAL SYMMETRIES OF THE KERR-NEWMANN BLACKHOLE ''

which is being submitted by Shri Ravikiran Shivaji Suryavanshi

for the award of the Degree of Master of Philosophy in

Mathematics of Shivaji University,Kolhapur, under the

Faculty of Science, is a record of bonafide work carried

out by him under my supervision and guidance. The dissertation

is well up to the standard both in respect of contents and

its literary presentation for being referred to the examiners.

It is further certified that he has worked with

me for more than six months for preparing the dissertation

at Shivaji University,Kolhapur-416004.

Prof.Dr. L. RADHAKRISHNA

KOLHAPUR

Date : 7 Ap 86

. . . . .