

ALGEBRAIC SPACE CURVES

PM/69/83
U800

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EX. 2

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FOREWORD

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These notes are an informal account of the lectures given by Professor Abhyankar in Montreal in the summer of 1970. An effort has been made to follow the actual oral presentation very closely. There is to be found, in addition, an appendix containing proofs of some theorems for lack of time, used without proof during the lectures, and a list of references of some of the results of the lectures. The material for the appendix was made available by Professor Abhyankar in the fall of 1970. Professor Abhyankar did not read and in detail approve these notes prior to publication. He felt they had a better chance that way to light of day in their present state of innocence. Blame for errors and shortcomings must, therefore, be laid on the shoulders of the authors.

The notes from the lectures consist of an introduction and three sections. Section I contains some introductory material on algebraic curves. Then some special cases of some of the main theorems are proved. Section II explains, in the statements of three somewhat technical theorems, the main technique to be developed in the lectures. It rests on a careful study of the problem of minimal sets of defining equations for algebraic space curves, and statements of the main results.

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