

Introduction	VII
Notations and conventions	XVI
Chapter I. Non-complete algebraic surfaces with logarithmic	
Kodaira dimension $-\infty$	1
Section 1. Logarithmic Kodaira dimension	1
Section 2. Algebraic surfaces containing cylinderlike	
open sets	4
Section 3. Fujita's theory of pseudo-effective divisors .	36
Section 4. Regular subrings of a polynomial ring	47
Section 5. Examples of non-complete algebraic surfaces	
with logarithmic Kodaira dimension $-\infty$	92
Section 6. Normal affine surfaces containing cylinderlike	
open sets	119
Chapter II. Non-complete algebraic surfaces with logarithmic	
Kodaira dimension 0 or 1	130
Section 1. The Zariski decomposition of a pseudo-effective	
divisor $D+K_V$	130
Section 2. The structure theorem for relatively minimal	
non-complete algebraic surfaces with logarithmic	
Kodaira dimension 0 or 1	154
Section 3. The proof of the structure theorem, I	157
Section 4. The proof of the structure theorem, II	176
Section 5. Affine algebraic surfaces with logarithmic	
Kodaira dimension 0 or 1	183

Chapter III. Non-complete algebraic surfaces with logarithmic Kodaira dimension 2	192
Section 1. The structure theorem for non-complete algebraic surfaces with logarithmic Kodaira dimension 2 .	192
Section 2. Curves contractible by the pluri-quasicanonical morphisms	195
Section 3. The pluri-quasicanonical ring and the quasi- canonical model	219
References	234
Subject Index	238