DEGENERATION OF KÄHLER MANIFOLDS

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INTRODUCTION

Suppose one is given a proper mapping p of a Kähler manifold **X** onto the unit disc which is of maximal rank except over zero. Then it is an elementary result from algebraic topology that a cohomology class on

$$p^{-1}(t), \ t \neq 0,$$

which is invariant under the action

$$t = e^{i\theta}, \qquad \theta \text{ goes from 0 to } 2\pi,$$