

Table of Contents

Introduction	1
1 Deformations of singularities	5
2 Standard bases	15
3 Infinitesimal deformations	23
4 Example: the fat point of multiplicity four	33
5 Deformations of algebras	39
6 Formal deformation theory	45
7 Deformations of compact manifolds	55
8 How to solve the deformation equation	63
9 Convergence for isolated singularities	67
10 Quotient singularities	71
11 The projection method	79
12 Formats	93
13 Smoothing components of curves	105
14 Kollár's conjectures	113
15 Cones over curves	125
16 The versal deformation of hyperelliptic cones	137
References	147
Index	155