

Contents

Introduction	1
§1. The Hochschild homology and the Hochschild cohomology of a topological algebra	8
§2. Differential forms and Hochschild homology	28
§3. Traces in Hochschild homology	47
§4. Traces of differential forms	56
§5. Traces in complete intersections	70
§6. The topological residue homomorphism	84
§7. Trace formulas for residues of differential forms	94
References	106
Symbol Index	108
Subject Index	109