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Manifolds and Vector Bundles * Sheaf Theory * Differential Geometry * Elliptic Operator Theory * Compact Complex Manifolds * Kodaira's Projective Embedding Theorem * Appendix by O. Garcia-Prada * References * Subject Index * Author Index

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(manifolds and vector bundles), algebraic topology, differential geometry, and partial differential equations. In these chapters, I have developed vari-ous tools that are useful in the study of compact complex manifolds. My motivation for the choice of topics developed was governed mainly by the applications anticipated in the last two chapters.

S. Axler - Thuvv

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Complex differential form - Wikipedia

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Differential geometry - Wikipedia

(1)Differential Geometry: Manifolds, differential forms, de Rahm cohomol-ogy, metrics, vector bundles. (2)Complex analysis in one variable, and a willingness to accept that these statements generalize to several variables. (3)Some elementary algebraic geometry, sheaf theory. With that out of the way, let's move on to some mathematics ...