Normal Curvature, Geodesic Curvature, and Gauss's Formula Parallel Vector Fields along a Curve and Parallelism The Second Fundamental Form and the Weingarten Map Principal, Gaussian, Mean, and Normal Curvatures Riemannian Curvature and Gauss's Theorema Egregium Isometries and the Fundamental Theorem of Surfaces Surfaces of Constant Curvature

Global Theory of Surfaces Simple Curvature Results Geodesic Coordinate Patches Orientability and Angular Variation The Gauss-Bonnet Formula The Gauss-Bonnet Theorem and the Euler Characteristic The Theorems of Jacobi and Hadamard The Index of Vector Field

## VI. ADDITIONAL INFORMATION: