Introduction to the Geometry of Foliations, Part B

By Gilbert Hector

Vieweg & Teubner Verlag Jan 1983, 1983. Taschenbuch. Book Condition: Neu. 235x155x16 mm. Neuware - IV - Basic Constructions and Examples.- 1. General setting in co dimension one.- 1.1. Existence of a transverse foliation.- 1.2. Holonomy pseudogroups.- 1.3. Appendix: One-dimensional foliations and local flows.- 2. Topological dynamics.- 2.1. The relation F and P.- 2.2. Leaf types; minimal sets.- 3. Foliated bundles; examples.- 3.1. Topological dynamics in foliated bundles.- 3.2. Fibre bundles arising as foliated bundles.- 3.3. Examples.- 4. Gluing foliations together.- 4.1. Gluing together foliations tangent to the boundary.- 4.2. Gluing together foliations transverse to the boundary.- 5. Turbulization.- 5.1. Closed transversals.- 5.2. Turbulization along a closed transversal or along a boundary component.- 6. Codimension-one foliations on spheres.- 6.1. Manifolds as open books.- 6.2. Foliations on odd-dimensional spheres.- V - Structure of Codimension-One Foliations.- 1. Transverse orientability.- 1.1. Transverse orientability; one- and two-sided leaves.- 1.2. Forms and linear holonomy.- 2. Holonomy of compact leaves.- 2.1. Local diffeomorphisms of the real line.- 2.2. Germ near a compact leaf; local stability.- 3. Saturated open sets of compact manifolds.- 3.1. Semi-proper leaves; completion of saturated open sets.- 3.2. The structure of saturated open sets.- 4. Centre of a compact foliated manifold; global stability.- ...

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