Singular Curves on Manifolds of Dimensions Two and Three

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Riemann manifolds of dimensions 2 and 3 on which Riemann curvature has singularities whose support is a curve, are discussed. If the manifold is 2-dimensional the singularity appears as a rib and the manifold is piecewise-smooth. An example of hidden singularity is considered. A proof of existence of tangent space at each point of the rib is presented. 3-dimensional manifolds with singular curves are of two different kinds. Singularities of first kind are similar to ribs and can be extracted by folating the manifold. Singularities of the second kind cannot be detected ordinary way. A proof of their exitence is presented.