1135-51-6   **Thomas Brooks*** (`tgbrooks@gmail.com`). *3-Manifolds with Constant Ricci Eigenvalues* $\lambda, \lambda, 0$.
We present a classification of all simply connected, complete Riemannian 3-manifolds whose Ricci eigenvalues are $\lambda, \lambda, 0$ for a constant λ. This curvature condition is equivalent to assuming that the manifold is curvature homogeneous and has constant vector curvature 0. By a result of Szabó, this gives a classification of curvature homogeneous semi-symmetric 3-manifolds. (Received May 29, 2017)