

We presented the proof of the following result due to S. Nemirovski and R. Shafikov:

Let Y be the universal cover of a Stein manifold X_1 . Then if X_2 is any complex manifold covered by Y then, assuming that Y is not biholomorphic to a ball, X_2 cannot contain compact complex analytic sets of positive dimension.

As a corollary if X_2 is strictly pseudoconvex, then it is Stein.

We explained also the role of the assumption that the covering space is not biholomorphic to a ball- in this case the analogous claim is false.