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Swarup Narayan Ghosh* (snghosh@bgsu.edu), 450 Mathematical Science Building, Bowling Green, OH 43403. *Proof of a conjecture of Andrew Gleason for uniform algebras on manifolds*. Preliminary report.

An important necessary condition for an uniform algebra A on a compact space X to be $C(X)$ (the collection of all complex-valued continuous functions on X) is that the maximal ideal space of A is X . Another such condition is that every point of X is a single (Gleason) part. In 1957, Andrew Gleason conjectured that together these two conditions are also sufficient. However, in 1968, Brian Cole constructed a counterexample to this conjecture. The failure of this conjecture gave rise to an interesting question: For which uniform algebras is this conjecture true? The answer of this question for some uniform algebras will be discussed in this talk. (Received September 16, 2013)