Oka coherence theorem

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Let M be a complex manifold.

Theorem. *Suppose $\mathcal{F}$ is an analytic sheaf over M, that is a subsheaf of $\mathcal{O}^k$. If $\mathcal{F}$ is a locally finitely generated sheaf, then $\mathcal{F}$ is a coherent analytic sheaf.*

References

[1] Lars Hörmander. , North-Holland Publishing Company, New York, New York, 1973.

[2] Steven G. Krantz. , AMS Chelsea Publishing, Providence, Rhode Island, 1992.