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## Cartan theorem B

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**Theorem** (Cartan). *Suppose  $\mathcal{F}$  is a coherent analytic sheaf on a Stein manifold  $M$ . Then for  $k > 0$ , then*

$$H^k(M, \mathcal{F}) = 0.$$

Here,  $H^k(M, \mathcal{F})$  is the  $k$ th cohomology group valued in the sheaf  $\mathcal{F}$

## References

- [1] Lars Hörmander. , North-Holland Publishing Company, New York, New York, 1973.
- [2] Steven G. Krantz. , AMS Chelsea Publishing, Providence, Rhode Island, 1992.