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intersection of complex analytic varieties is a
complex analytic variety

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A useful result allowing us to define the “smallest” analytic variety is the following.

Theorem. *Let $G \subset \mathbb{C}^N$ be an open set, then an arbitrary intersection of complex analytic varieties in G is a complex analytic variety in G .*

References

- [1] Hassler Whitney. . Addison-Wesley, Philippines, 1972.