Citations	From References: 0	From Reviews: 0

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Iwase, Norio (J-KYUS2M); **Izumida, Nobuyuki** (J-PUROP)

★**Mayer-Vietoris sequence for differentiable/diffeological spaces. (English summary)**

Algebraic topology and related topics, 123–151, *Trends Math.*, *Birkhäuser/Springer*, *Singapore*, 2019.

The principal objective in this paper is to establish a de Rham theorem in diffeology. The difficulty lies in obtaining a partition of unity so that the Mayer-Vietoris exact sequence holds. This paper overcomes this difficulty by introducing a new version of differential forms, which is shown to coincide with the usual differential forms on smooth manifolds.

{For the collection containing this paper see MR3991173}

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