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ABSTRACT

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The abstract should be in the form of a brief and concise statement of the main results or points of view of the paper, without demonstrations and with a minimum of formulae. It should not exceed 100 words and should be compressed if possible into a single paragraph. It should be written in the third person. The abstract should be typewritten and in a form suitable for immediate publication in the MONTHLY.

Let D^k represent the unit k -cell in E^k and let $n \geq 6$. This paper describes an example of a locally flat cell pair (D^n, X) where $X \approx D^{n-2}$ ($BdX \subseteq BdD^n$ and $intX \subseteq intD^n$) $\pi_1(D^n - X) = \mathbb{Z}$ and $\pi_1(BdD^n - BdX) \neq \mathbb{Z}$. This leads one to believe that the homotopy groups of $D^n - X$ are not enough to decide whether or not X is unknotted in D^n . Unfortunately the higher homotopy groups of $D^n - X$ are not known as of yet.

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MATHEMATICAL ASSOCIATION OF AMERICA, INC.
ABSTRACT OF PAPER

Title of Paper: Cell pairs of codimension 2

Time minutes.

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Member of Mathematical Association
of America: Yes No

