

Vacek, Pavel

On open Hamiltonian walks in graphs. (English) Zbl 0758.05067
[Arch. Math., Brno 27a, 105-111 \(1991\)](#).

Summary: If G is a graph of order n , an open Hamiltonian walk is meant any open sequence of edges of minimal length which includes every vertex of G . Clearly, the length of such an open walk is at least $n - 1$, and is equal to $n - 1$ if and only if G contains a Hamiltonian path. In this paper, basic properties of open Hamiltonian walks and upper bounds of their lengths in some classes of graphs are studied.

MSC:

[05C45](#) Eulerian and Hamiltonian graphs

Cited in **7** Documents

Keywords:

[Hamiltonian graph](#); [Hamiltonian path](#); [Hamiltonian walk](#); [open Hamiltonian walk](#); [cactus](#)

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