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**Jiansheng Cai\*** ([healthcai@163.com](mailto:healthcai@163.com)), Peoples Rep of China. *C<sub>4</sub>-Factor in Random Graphs.*

For a graph  $G$  with  $n$  vertices, where 4 divides  $n$ , a  $C_4$ -factor is a subgraph of  $G$  consisting of  $n/4$  vertex disjoint  $C_4$ .

We consider the minimal probability  $p = p(n)$ , for which a random graph  $G = G(n, p)$  almost surely contains a  $C_4$ -factor.

In this paper, we prove that for  $p = O(n^{-\frac{2}{3}})$ , the random graph  $G(n, p)$  almost surely contains a  $C_4$ -factor. (Received January 15, 2017)