1060-17-26   **Choonkil Park*** (`baak@hanyang.ac.kr`), Department of Mathematics, Hanyang University, Seoul, 133-791, South Korea, and **Zaman G. Eskandani** (`zamani@tabrizu.ac.i`), Faculty of Mathematical Science, University of Tabriz, Tabriz, Iran. *Homomorphisms and derivations in proper Lie CQ^*-algebras.*

In this paper, we investigate homomorphisms in proper Lie CQ^*-algebras and derivations on proper Lie CQ^*-algebras associated with the following Pexiderized functional equation

$$f(x + y) = f_0(x) + f_1(y).$$

Moreover, we prove the Hyers-Ulam-Rassias stability of homomorphisms in proper Lie CQ^*-algebras and of derivations on proper Lie CQ^*-algebras. (Received February 12, 2010)

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