

**Year: 2006****Vol.: 68****Fasc.: 1-2****Title:** Skew derivations with annihilating Engel conditions**Author(s):** Chen-Lian Chuang, Ming-Chu Chou and Cheng-Kai Liu

Let R be a noncommutative prime ring and $a \in R$. Suppose that δ is a σ -derivation of R such that $a[\delta(x), x]_k = 0$ for all $x \in R$, where k is a fixed positive integer. Then $a = 0$ or $\delta = 0$ except when $R = M_2(GF(2))$.

Address:

Chen-Lian Chuang
Department of Mathematics
National Taiwan University
Taipei 106
Taiwan
E-mail: chuang@math.ntu.edu.tw

Address:

Ming-Chu Chou
Department of Mathematics
National Taiwan University
Taipei 106
Taiwan
E-mail: bella@vot2.url.com.tw

Address:

Cheng-Kai Liu
Department of Mathematics
National Taiwan University
Taipei 106
Taiwan
E-mail: ckliu@math.ntu.edu.tw