1046-22-1303   **Ilir Snopce*** (`snopce@math.binghamton.edu`), 191 Main St. Apt 3R, Binghamton, NY 13905.
Pro-p groups of rank 3 and the question of Iwasawa.

For a finitely generated pro-p group G let $d(G)$ denote the minimal number of topological generators of G. For a positive integer n , Iwasawa raised the question of determining all pro-p groups G which satisfy the following condition:

$$d(H) - n = [G : H](d(G) - n)$$

for all open subgroups H of G.

In this talk we consider the case $n = 3$. (Received September 15, 2008)

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