1030-37-231   **Maria Isabel Cortez*** (`mcortez@usach.cl`), Departamento de Matematica y CC, Universidad de Santiago, Alameda Libertador Bernardo O'Higgins 3363, Santiago, Chile, and **Fabien Durand**. *Self-similar tiling systems, topological factors and expansion constants.*

In this paper we prove if two self-similar tiling systems, with respective stretching factors a and b, have a common factor which is a non periodic tiling system, then a and b are multiplicatively dependent. (Received August 03, 2007)