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Michael Hrusak* (michael@matmor.unam.mx), Instituto de Matematicas UNAM, Campus Morelia, Apartado Postal 61-3 (Xangari), 58089 Morelia, Michoacan, Mexico, and **Ondrej Zindulka**. *Cardinal invariants of monotone and porous sets.*

A metric space (X, d) is *monotone* if there is a linear order $<$ on X and a constant c such that $d(x, y) \leq cd(x, z)$ for all $x < y < z$ in X . We investigate cardinal invariants of the σ -ideal **Mon** generated by monotone subsets of the plane. Since there is a strong connection between monotone sets in the plane and porous subsets of the line, plane and the Cantor set, cardinal invariants of these ideals are also investigated. (Received August 16, 2010)