

ANOTHER CARDINAL INVARIANT FOR IDEALS ON ω .

We investigate the existence of \mathcal{I} -ultrafilters and weakly \mathcal{I} -ultrafilters. Given a tall Borel ideal on ω , we define a Borel cardinal invariant and prove that its corresponding diamond principle implies the existence of \mathcal{I} -ultrafilters. For most of the known Borel ideals this cardinal invariant can be formulated in terms of more familiar cardinal invariants. Also, we present some results about rapid ultrafilters and the dominating number. This is joint work with Michael Hrušák.