

On comparison between F -thresholds and F -pure-thresholds

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Let R be a commutative ring which has a unit. Assume that R contains a field k and the characteristic of k is greater than 0. For an proper ideal of R , we introduce the F -threshold and the F -pure threshold under certain conditions of R , which measures *badness* of the singularities of the pair (R, I) . We discuss a comparison of these two notions.