Condensed And Strongly Condensed Domains

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Summary

This paper deals with the concepts of condensed and strongly condensed domains. By definition, an integral domain R is condensed (resp. strongly condensed) if each pair of ideals I and J of R, IJ = {ab/a is an element of I, b is an element of J} (resp. IJ = aJ for some a is an element of I or IJ = Ib for some b is an element of J). More precisely, we investigate the ideal theory of condensed and strongly condensed domains in Noetherian-like settings, especially Mori and strong Mori domains and the transfer of these concepts to pullbacks.

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