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Malgorzata Aneta Marciniak*, mmarcin@bgsu.edu. *Holomorphic extensions in toric varieties with additional structures.*

A problem of holomorphic extensions from a complement of non separating compact set appears to be one of the fundamental questions for the theory of several complex variables. Observed by Hartogs for \mathbb{C}^n with $n \geq 2$ was partially resolved for some special cases that include toric surfaces. The main method involves gluing together local data, even if obtaining local extensions does not follow the usual Hartogs solution for \mathbb{C}^n . (Received September 17, 2013)