



**ON THE GROWTH FUNCTION OF THE  
ARTIN MONOID OF TYPE  $\tilde{C}_n$**

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Received April 11, 2011

**Abstract**

In this paper, the recurrence relation of the growth function of the Artin monoid of type  $\tilde{C}_n$ , by using the results [Kyoji Saito, Growth functions for Artin monoids, Proc. Japan Acad. Ser. A 85 (2009), 84-88] and [Marie Albenque and Philippe Nadeau, Growth function for a class of monoids, 21st International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC, Hagenburg, 2009), DMTCS, 2009], is given.

**Keywords and phrases:** growth function, Artin monoid, affine type.

**Pioneer Journal  
of Mathematics  
and Mathematical  
Sciences**



**Pioneer Scientific  
Publisher**