



**EQUIDISTRIBUTION MODULO A SUBDIVISION  
AND APPLICATIONS**

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**Abstract**

In this paper, we develop a part of the theory of the equidistribution modulo a subdivision. Necessary and sufficient conditions are given for certain sequences to be equidistributed modulo a subdivision. This work represents an extension of a basic work on the equidistribution modulo one ([N. Daili and N. Hemic, Equidistribution modulo 1: extensions, Preprint 2 (2019), 1-15.], [H. Weyl, Über die Gleichverteilung von Zahlen mod Eins, Math. Ann. 77 (1916), 313-352]).

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