

The zeta function of gap shifts

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Text of the abstract (100-400 words).

The notion of generalized gap shifts is introduced, and a formula for the zeta function of such subshifts is obtained in a closed form. In the case when S and S' are non-empty subsets of $\{0, 1, 2, \dots\}$, the result implies that if the S -gap shift and the S' -gap shift have the same zeta function, then they are conjugate. It is also shown that there are non-conjugate generalized gap shifts having the same zeta function.

1. Presented by Woo-Teak Jon