

## **Aposyndesis in $N$**

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Aposyndesis is a notion well studied in continuum theory. In this talk we will present a definition of it that applies in every topological space. Then we will consider the set of natural numbers together with the so called Golomb topology, in order to characterize all the arithmetic progressions which are aposyndetic. In particular, we show that the Golomb space in question is aposyndetic.

**(joint work with Jose del Carmen Alberto Dominguez, Maira Madriz Mendoza)**