

- VICTOR SELIVANOV, *Fine Hierarchy of ω -Regular k -Partitions*.

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We develop the theory of ω -regular k -partitions (for arbitrary $k \geq 2$) that extends the theory around the Wagner hierarchy of regular ω -languages. In particular, we characterize the structure of Wadge degrees of ω -regular k -partitions, prove the decidability of any level of the corresponding hierarchy, establish coincidence of the reducibilities by continuous functions and by functions computed by finite automata on the ω -regular k -partitions.