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## The Shift Space for Generalized Iterated Function Systems

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**Abstract** - The aim of this paper is to describe the shift or the code space associated to a generalized iterated function system. Generalized iterated function systems are generalizations of IFS. The idea of this generalization is to consider in the definition of an iterated function system contractions from  $X^m$  to  $X$  rather than contractions from the metric space  $X$  to itself. Some of the properties of generalized iterated function systems are similar with those of iterated function systems.

**Key words and phrases** : iterated function system, generalized iterated function system, attractor, shift space (or code space).

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