**A machine translation model inspired by code generation**

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**Abstract**. In this paper we present our machine translation model that is based on bilingual linguistic phrases and their lexical attributes. Developed model partly arises from our previous work in the field of Generative Programming, and the working prototype was made for Croatian-French and French-Croatian translation. The model is aimed for the general language domain, but it is so far mostly trained for some limited domains like cooking recipes, weather forecast and user manuals for different devices. The proposed model was evaluated according to the matched phrases and by using the BLEU machine translation evaluation method.

**Keywords.** machine translation, phrase based translation, BLEU