

ABSTRACT

Masters thesis: 92 p., 12 fig., 26 tabl., 2 appendixes, 20 sources.

The theme: Text generation system using the methods of neural networks.

Actuality – business needs unique machine generated texts of arbitrary size.

Purpose – build the text generating model which extends the key phrase.

The object of study – methods of natural language processing.

Subject of research – artificial neural networks.

The methods of research – modeling, system method.

Scientific novelty of the results –proposed and implemented the model that uses parallel recursive cells and thus takes up less space on storage.

Practical significance of the results – the developed system satisfies the needs of business and allows to inexpensively generate unique texts while allowing businesses to save on storage.

TEXT GENERATION, NEURAL NETWORKS, RECURRENT NETWORKS, NATURAL LANGUAGE PROCESSING, PYTHON, TENSORFLOW.