

---

# Method of person identification by voice

© K.L. Tassov, R.A. Dyatlov

Bauman Moscow State Technical University, Moscow, 105005, Russia

*The article describes the method of solving the problem of identifying a person's voice. We consider the methods of analysis and the audio coefficient systems. Algorithms for signal pre-processing and selection criteria are described. Network oncoming distribution and Kohonen maps modifications.*

**Keywords:** *voice, voice identification, speaker identification, noise elimination, speech signal filtering, speaker recognition, filtering algorithm, bilateral filter, eliminating areas of quiet signal algorithm, cepstral coefficients, pitch frequency, the autocorrelation method for determining the pitch frequency.*

**Tassov K.L.** (b. 1966) graduated from Bauman Moscow State Technical University in 1991. Senior Lecturer of the Software and Information Technologies Department of Bauman Moscow State Technical University. Author of scientific works in the field of the theory of pattern recognition and digital signal processing. e-mail: ktassov@policsoft.ru

**Dyatlov R.A.** (b.1990), a student of the Software and Information Technologies Department of Bauman Moscow State Technical University. Scientific interests: development of data analysis tools. e-mail: djatlik@mail.ru

---