

Abstract

The invention discloses a speaker recognition method based on trajectories in feature spaces of voice samples. The method comprises clustering the features of unlabelled voice data to obtain a voice feature space representation: identifier set; using labelled voice samples for speaker registration, obtaining the speaker distribution information and movement trajectory information in the voice feature space; the voice samples to be recognized are recognized by using the speaker voice feature space distribution information and the movement trajectory information of the voice samples. The present invention adopts the idea of positioning speaker voice feature space, the speaker recognition has low computational complexity, solving the problem of high computational complexity of GMM-UBM; and the voice feature space of a speaker of a language can be used as the voice feature space of a speaker recognition of another language, and data sharing is realized.