Abstract

Visual saliency is an important characteristic of Human Visual System (HVS) that select the visually significant information from scenes. The salient objects stand out relative to their neighbourhood regions. Detecting and segmenting salient objects, also known as salient object detection is used to extract the most interesting object/objects in a scene and has resulted in many applications. There are many different methods to detect saliency known as visual attention models or saliency detection methods. In past few years many saliency detection methods have been proposed. One of the main objectives of the work is to perform a detail study in the field of Saliency detection by keeping focus on the different bottom-up computational models and the methods used to predict saliency. The work aims to analyze various solutions that aid the task of HVSs properties. This paper presents various saliency detection methods.


Index Terms

Computer Science Information Sciences

Keywords

Saliency detection, Visual attention, Human Visual System