# A NOVEL TECHNIQUE FOR EFFECTIVE IMAGE GALLERY SEARCH USING CONTENT BASED IMAGE RETRIEVAL SYSTEM

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# ANOVELTECHNIQUEFOREFFECTIVEIMAGE GALLERYSEARCHUSINGCONTENTBASED IMAGE RETRIEVAL SYSTEM

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# PREFACE

It has very important practical significance to analyse and research minority costume from theperspectiveofcomputervisionforminorityculturеprotectionandinheritance.Asfirstexploration in minority costume image retrieval, this paper proposed a novel image featurerepresentation method to describe the rich information of minority costume image. Firstly, thecolor histogram and edge orientation histogram are calculated for divided sub-blocks of minoritycostume image. Then, the final feature vector for minority costume image is formed by effectivefusionofcolorhistogramandedgeorientationhistogram.Finally,theimprovedCanberradistance is introduced to measure the similarity between query image and retrieval image. Wehaveevaluatedtheperformancesoftheproposedalgorithmonself-buildminority costumeimage dataset, and the experimental results show that our method can effectively express theintegratedfeatureofminoritycostumeimages,includingcolor,texture,shape,andspatialinformation. Compared with some conventional methods, our method has higher and stableretrievalaccuracy.

Keywords:ArtificialIntelligence,CBIR.

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