

### **3d deep shape descriptor pdf**

deep shape descriptor to address challenging issues from ever-growing 3D datasets in areas as diverse as engineering, medicine, and biology. Specifically, in this paper, we

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DOWNLOAD 3D DEEP SHAPE DESCRIPTOR CV FOUNDATION 3d deep shape descriptor pdf 3D Deep Shape Descriptor Yi Fang y, Jin Xie , Guoxian Dai , Meng Wang y, Fan Zhu , Tiantian Xu z, and

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DeepShape: Deep Learned Shape Descriptor for 3D Shape Matching and Retrieval Jin Xie y, Yi Fang , Fan Zhu , and Edward Wongz yDepartment of Electrical and Computer Engineering, New York University Abu Dhabi zPolytechnic School of Engineering, New York University fjin.xie, yfang, fan.zhu, ewongg@nyu.edu Abstract Complex geometric structural variations of 3D model

### **DeepShape: Deep Learned Shape Descriptor for 3D Shape**

Abstract: Shape descriptor is a concise yet informative representation that provides a 3D object with an identification as a member of some category. We have developed a concise deep shape descriptor to address challenging issues from ever-growing 3D datasets in areas as diverse as engineering ...

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### **DeepShape: Deep-Learned Shape Descriptor for 3D Shape**

Int J Multimed Info Retr (2016) 5:151–164 DOI 10.1007/s13735-016-0103-x REGULAR PAPER Deep shape-aware descriptor for nonrigid 3D object retrieval

### **Deep shape-aware descriptor for nonrigid 3D object retrieval**

Learning Descriptor Networks for 3D Shape Synthesis and Analysis Jianwen Xie<sup>1</sup>, Zilong Zheng<sup>2</sup>, Ruiqi Gao<sup>2</sup>, Wenguan Wang<sup>2,3</sup>, Song-Chun Zhu<sup>2</sup>, Ying Nian Wu<sup>2</sup> <sup>1</sup>Hikvision Research Institute <sup>2</sup>University of California, Los Angeles <sup>3</sup>Beijing Institute of Technology Abstract This paper proposes a 3D shape descriptor network, which is a deep convolutional energy-based model, for

### **Learning Descriptor Networks for 3D Shape Synthesis and**

Abstract: Recently researchers have been shifting their focus towards learned 3D shape descriptors from hand-craft ones to better address challenging issues of the deformation and structural variation inherently present in 3D objects. 3D geometric data are often transformed to 3D Voxel grids with regular format in order to be better fed to a deep neural net architecture.

### **[1711.10108] 3D-A-Nets: 3D Deep Dense Descriptor for**

110 Deep shape descriptors 3D Shapenets [Wu et al. 2015] rep- 111 resent shapes as probability

distributions of binary variables on 112 a voxel grid, by training a convolutional deep belief network.

### **Shape2Vec: semantic-based descriptors for 3D shapes**

Multi-view Convolutional Neural Networks for 3D Shape Recognition Hang Su Subhransu Maji Evangelos Kalogerakis Erik Learned-Miller University of Massachusetts, Amherst {hsu,smaji,kalo,elm}@cs.umass.edu  
Abstract A longstanding question in computer vision concerns the representation of 3D shapes for recognition: should 3D shapes be represented with descriptors operating on their native 3D ...

### **Multi-view Convolutional Neural Networks for 3D Shape**

Deep Learning Representation using Autoencoder for 3D Shape Retrieval Zhuotun Zhu, Xinggang Wang, Song Bai, Cong Yao, Xiang Bai Department of Electronics and Information Engineering

### **Deep Learning Representation using Autoencoder for 3D**

descriptors) where the distance between shapes of the same training category is small Su et al.,  
"Multi-view Convolutional Neural Networks for 3D Shape Recognition", 2015

### **Shape Descriptors - III**

1 Shape Descriptors II Thomas Funkhouser CS597D, Fall 2003 Princeton University Thomas Funkhouser  
CS597D, Fall 2003 Princeton University Taxonomy of Shape Descriptors

### **Shape Descriptors II - Princeton University Computer Science**

DeepShape: Deep-Learned Shape Descriptor for 3D Shape Retrieval Jin Xie, Guoxian Dai, Fan Zhu, Edward  
Wong, Yi Fang IEEE Transactions on Pattern Analysis and Machine Intelligence 2016 July 29

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