

本科毕业设计论文

外文翻译

题目：基于卷积神经网络的双目视觉立体匹配

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一个训练视差，光流，场景流估计卷积网络的大型数据集

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摘要:我们

关键词：立体视觉，匹配代价

1．介绍

考虑

**图1:** 输入是来自左侧和右侧相机的一对图像。 两个输入图像的差异主要在对象的水平位置上（其他的差异是由反射，遮挡和透视失真引起的）。注意靠近相机的对象比远离相机的对象有更大的视差。右图的输出是一个密集的视差图，暖色表示更大的视差值（和较小的深度值）

其中

2．相关工作

在引

3．场景流的定义

典型的

4．三个已渲染的数据集

卷积神经网器。

4.1 FlyingThings3D

来自相邻进于同一个对象。

该方

较大。

4.2 Monkaa

我们通过对视差图像

我们可以通过动态规划在单一方向上实现E（D）最小化，而不是同时在所有方向上最

4.3 Driving

视差图

5．网络

我们在实验中

6．实验

我

现代机器学习方法力量的一个相对重要的示范。

7．总结

我

现代机器学习方法力量的一个相对重要的示范。

8．感谢

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现代机器学习方法力量的一个相对重要的示范。

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一个训练视差，光流，场景流估计卷积网络的大型数据集：补充材料

1．介绍

我

**图1:** 输入是来自左侧和右侧相机的一对图像。 两个输入图像的差异主要在对象的水平位置上（其他的差异是由反射，遮挡和透视失真引起的）。注意靠近相机的对象比远离相机的对象有更大的

2．数据集产生细节

我

3．DispNetCorr

我

4．定性示例

我