EIT Opto-Routing

Light occlusion module

Light occlusion module

A Comprehensive Review on Light Field Occlusion Removal: Trends

Overcoming occlusions in light field (LF) imaging is a challenging yet complex task crucialforsceneunderstanding,imagequalityenhancement,andrestoringvisualdetails in obstructed scenes. This

Practical framework for generative on-branch soybean pod detection

To simulate various pod occlusion scenes and facilitate experiments under several occlusion conditions, the position of the pods was manually adjusted during placement. As for the

LLD-YOLO: a multi-module network for robust vehicle

To address the issues of low model perception and decreased detection accuracy caused by low-light image characteristics, we designed a low-light enhancement module.

An occlusion light field sparse Bayesian learning model for view

However, synthesizing novel views from new positions is challenging since occlusion in real-world scenes is complex and ubiquitous. In this paper, we describe a method for synthesizing a

LAM-YOLO: Drones-based Small Object Detection on Lighting

This work introduces a novel Global and Local Attention Mechanism (GAL), providing an in-depth modeling method for input images, and develops a multi-head prediction module that

Occlusion Estimation Module

The occlusion estimation module detects hidden surfaces in visual scenes using specialized representations, deep architectures, and tailored loss functions for precise depth and

Gait identification with partial occlusion using six modules and

In gait identification, partial occlusion sometimes occurs and leads to missed identification. This paper proposes a gait identification method for partial occlusion case by using six modules and

Occlusion Leak Compensation for Optical See-Through

We propose an occlusion compensation method for optical see-through head-mounted displays (OST-HMDs) equipped with a singlelayer transmissive spatial light modulator (SLM), in

YOLO-Owl: An Occlusion Aware Detector for Low Illuminance

Object detection algorithms can be roughly divided into two categories, two-stage detectors like Fast RCNN and one-stage detectors like YOLO. We propose an obje.

Occlusion Removal in Light-Field Images Using

Occlusionremovalinlight-fieldimagesremainsasignificantchallenge,particularlywhen dealing with large occlusions. An architecture based

webxr-occlusion-lighting/README.md at main

- The framework implements realistic rendering of 3D objects, handles with geometry occlusions, matches the lighting of the environment, casts shadows, and provides physics interaction with real

A review of occluded objects detection in real complex scenarios for

The densely-connected block is a combination of the channel attention module and the global attention module. The channel attention module weights each channel according to the

A Comprehensive Review on Light Field Occlusion Removal: Trends

In occlusion removal, the ability to capture light from various angles allows us to better understand hidden struc-tures and depth differences that traditional imaging methods might miss.

Occlusion Data

The Occlusion.esp is flagged as light plugin (ESL) automatically if possible. In case of questions or feedback, check the Skyrim TVDT - Occlusion Culling Data thread

YOLO-Owl: An Occlusion Aware Detector for Low Illuminance

Object detection algorithms can be roughly divided into two categories, two-stage detectors like Fast RCNN and one-stage detectors like YOLO. We propose an object detection model that works well in

DeOccNet: Learning to See Through Foreground Occlusions in Light Fields

We address this challenge by setting the occlusion-free center-view SAI as groundtruth, and train our DeOccNet in an end-to-end man-ner. In this way, our network can recognize occlusions from

LLD-YOLO: A Low-Light Object Detection Algorithm Based on

To address these challenges, we propose an improved neck structure, SRB-FPN, to achieve fine-grained cross-level semantic alignment and feature fusion, while also optimizing the regression loss

Accurate light field depth estimation under occlusion

Propose a novel EPI-based light field depth estimation method, PCRD, that simultaneouslyemploystheonlineconsistencyandregiondifferenceinformationinEPIs. PCRD is highly robust

Occluded Prohibited Items Detection: An X-ray Security Inspection

In this work, first, we propose an attention mechanism named De-occlusion attention module (DOAM), to deal with the problem of detecting prohibited items with some parts occluded in X-ray images. DOAM

Enhanced light field depth estimation through occlusion refinement

However, most light field depth estimation methods rely predominantly on detecting pixel consistency across different viewpoints, which often performs poorly in complex occlusion scenarios.

Factored Occlusion AR Display , IEEE VR 2020

Factored Occlusion: Single Spatial Light Modulator Occlusion-capable Optical See-through Augmented Reality Display IEEE Transactions on Visualization and

LAM-YOLO: Drones-based small object detection on lighting-occlusion

First, we introduce a Lighting-Occlusion Attention Module (LAM) at the output layer of

thebackbonenetworkandbottleneck.Thismoduleintegrateschannelattentionandself-attention

LightOccluder2D -- Godot Engine (stable) documentation in English

Description Occludes light cast by a Light2D, casting shadows. The LightOccluder2D must be provided with an OccluderPolygon2D in order for the shadow to be computed. Tutorials 2D lights and

Ambient occlusion

Ambient occlusion is related to accessibility shading, which determines appearance based on how easy it is for a surface to be touched by various elements (e.g.,

Add-on Occlusion: An External Module for Optical See

A liquid crystal on silicon device is introduced as the spatial light modulator for imaging a bright see-through view and rendering sharp occlusion

POP-YOLOv8: an object detection framework for partially occluded

To enhance driving safety under such conditions, we propose POP-YOLOv8, a customized object detection model designed specifically for detecting partially occluded pedestrian

LAM-YOLO: Drones-based Small Object Detection on Lighting

To address these challenges, we propose LAM-YOLO, an object detection model specifically designed for drone-based. First, we introduce a light-occlusion attention mechanism to

YOLO-LOAMDPMS: Learnable Occlusion-Aware and Depth Point

Therefore, this research proposes a lightweight enhancement of YOLOv8m by considering two lightweight attention modules: the Learnable Occlusion-Aware Module (LOAM) and

Occlusion-Model Guided Anti-Occlusion Depth Estimation in Light Field

In this paper, we ex-plore the multi-occluder occlusion model in light eld, and derive the occluder-consistency between the spatial and angular space which is used as a guidance to select the un

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