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import torch
import gradio as gr
from PIL import Image
import numpy as np

# Load the YOLOv5 model with custom weights
model = torch.hub.load('ultralytics/yolov5', 'custom', path='./best.pt',
force_reload=True)

def predict(img):
    results = model(img) # Perform inference
    # Get rendered image with bounding boxes
    rendered_img = results.render()[0]
    # Convert rendered image to PIL Image
    img_with_boxes = Image.fromarray(rendered_img)

    return img_with_boxes # Return image with boxes

# Create the Gradio interface
iface = gr.Interface(
    fn=predict,
    inputs="image",
    outputs="image",
    title="YOLOv5 Object Detection",
    description="Upload an image to detect Trees and lights"
)

iface.launch()

```