Supplementary Materials for DeepBoxes: Hunting Objects by Cascading Deep Convolutional Layers

Anonymous ICCV submission

Paper ID 1479

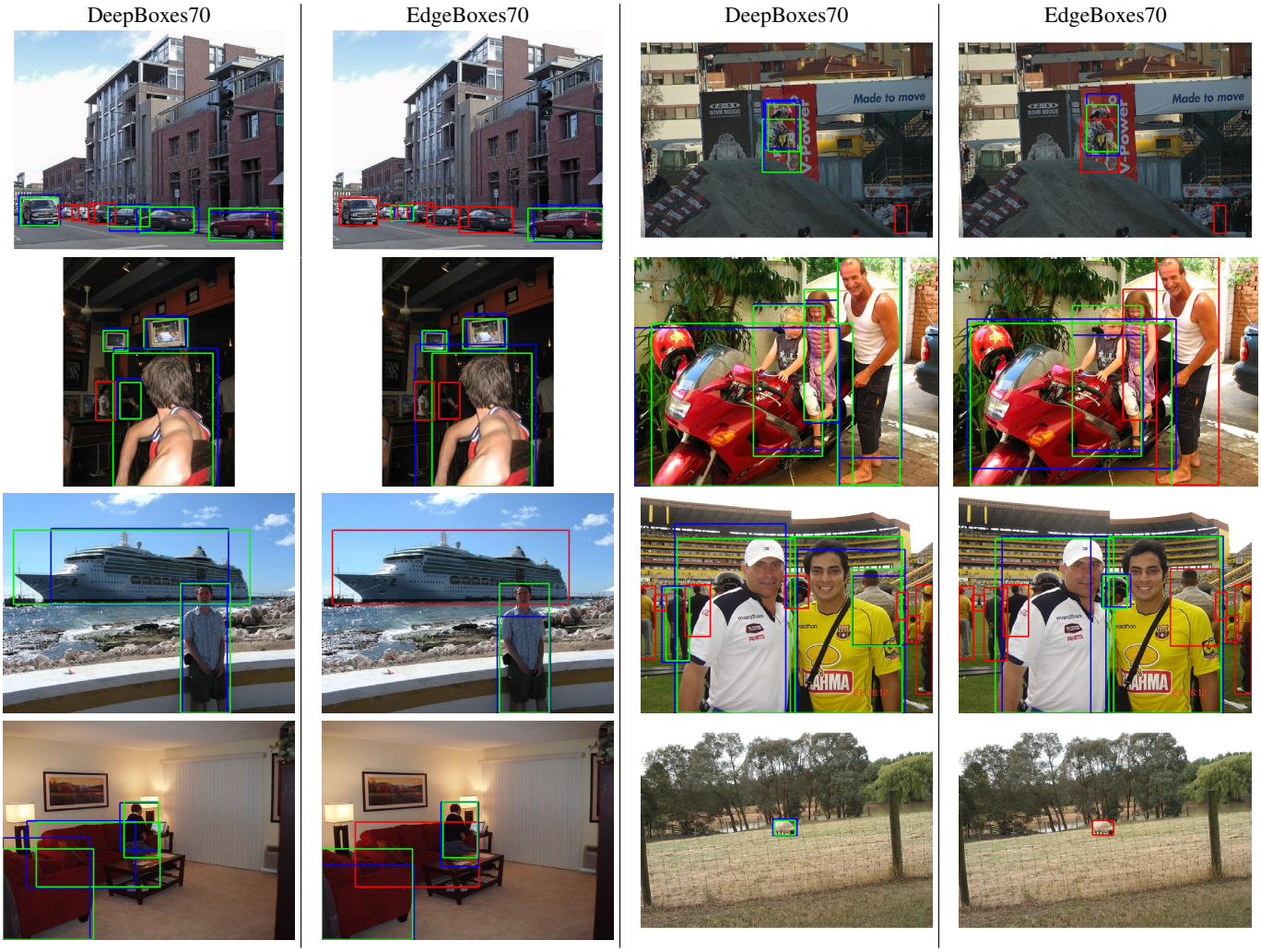

Figure 1: Qualitative examples of our object proposals (1st and 3rd column) versus edge boxes proposals (2nd and 4th column). In these examples our method is performing better than the state-of-the-art EdgeBoxes method. An object is correctly localized if its IoU with ground-truth bounding box is more than 0.7. We use **1000** proposals for each method. Blue boxes are the closest proposal to each ground truth bounding box. Red and green boxes are ground-truth boxes where green indicates localized objects while red indicates missed objects.

Figure 1: Previous figure continued. Qualitative examples of our object proposals (1st and 3rd column) versus edge boxes proposals (2nd and 4th column). In these examples our method is performing better than the state-of-the-art EdgeBoxes method. An object is correctly localized if its IoU with ground-truth bounding box is more than 0.7. We use **1000** proposals for each method. Blue boxes are the closest proposal to each ground truth bounding box. Red and green boxes are ground-truth boxes where green indicates localized objects while red indicates missed objects.

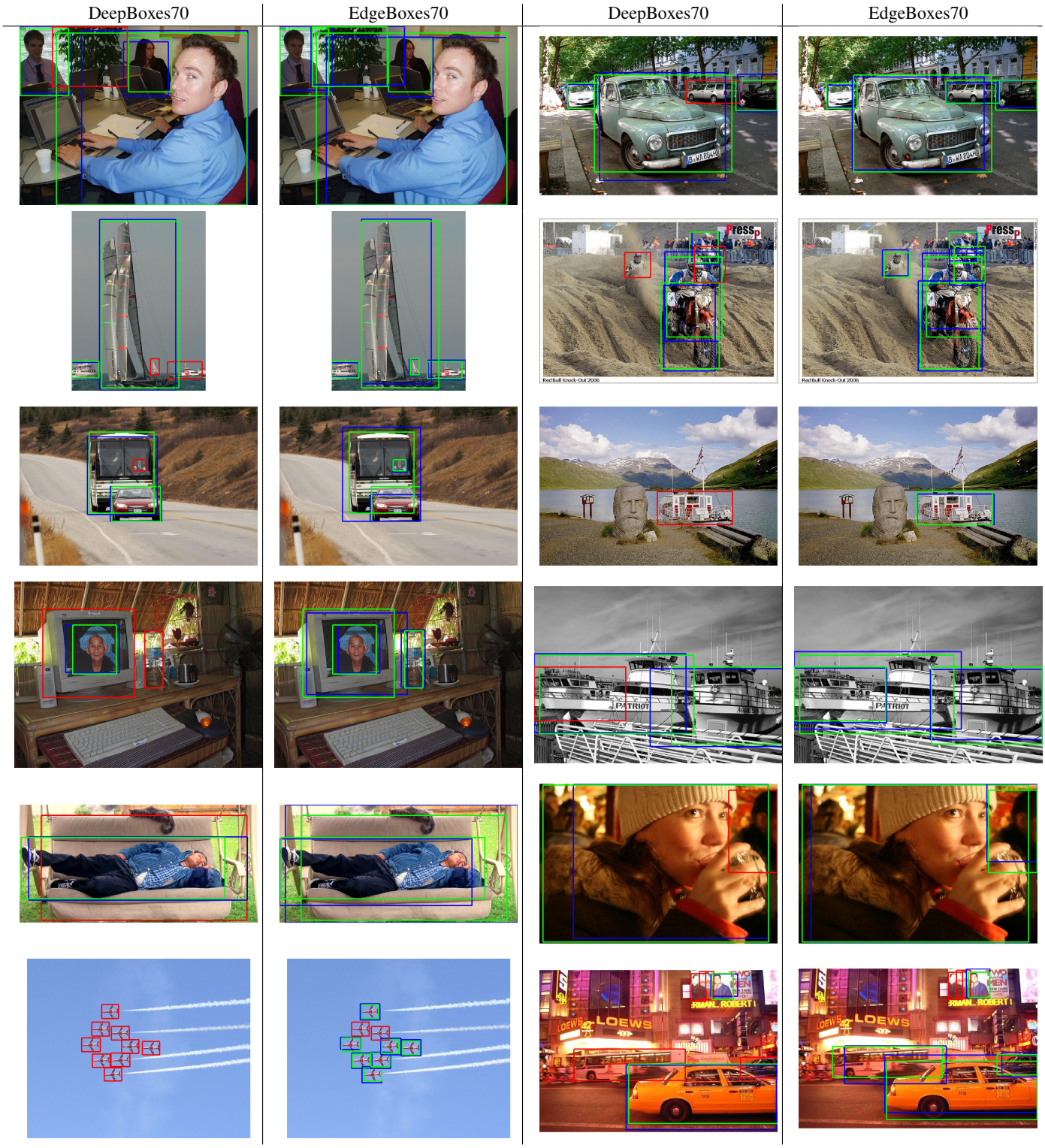

Figure 2: Qualitative examples of our object proposals (1st and 3rd column) versus edge boxes proposals (2nd and 4th column). In these examples Edgeboxes is performing better than ours. An object is correctly localized if its IoU with ground-truth bounding box is more than 0.7. We use **1000** proposals for each method. Blue boxes are the closest proposal to each ground truth bounding box. Red and green boxes are ground-truth boxes where green indicates localized objects while red indicates missed objects.

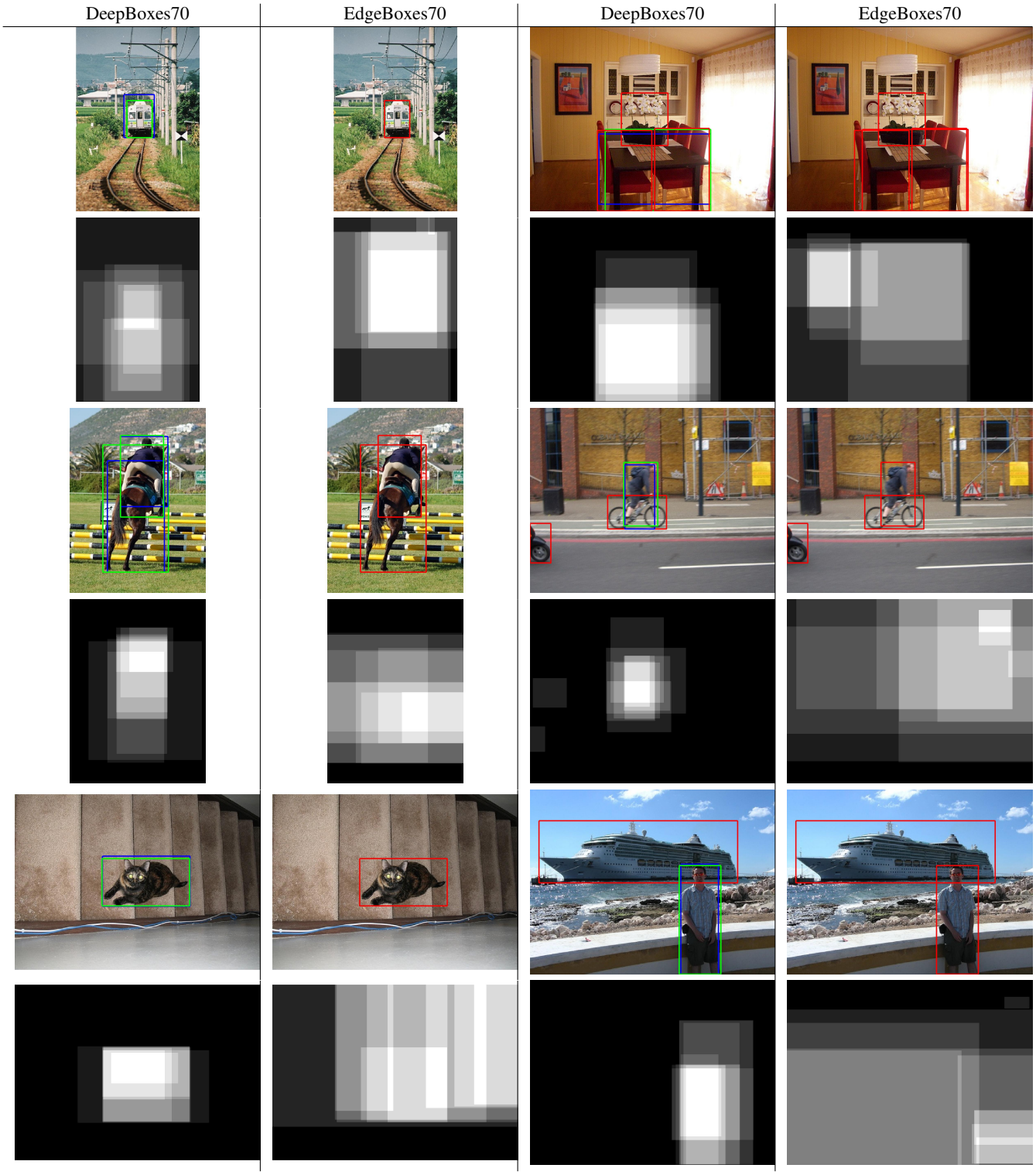

Figure 3: Qualitative examples of our object proposals (1st and 3rd column) versus edge boxes proposals (2nd and 4th column). An object is correctly localized if its IoU with ground-truth bounding box is more than 0.7 using **10** proposals for each method. We also show a map indicates the location of first 10 object proposals. It illustrates how our method focuses on the objects even with a few proposals while EdgeBoxes mainly spots the close-shaped regions of the image.

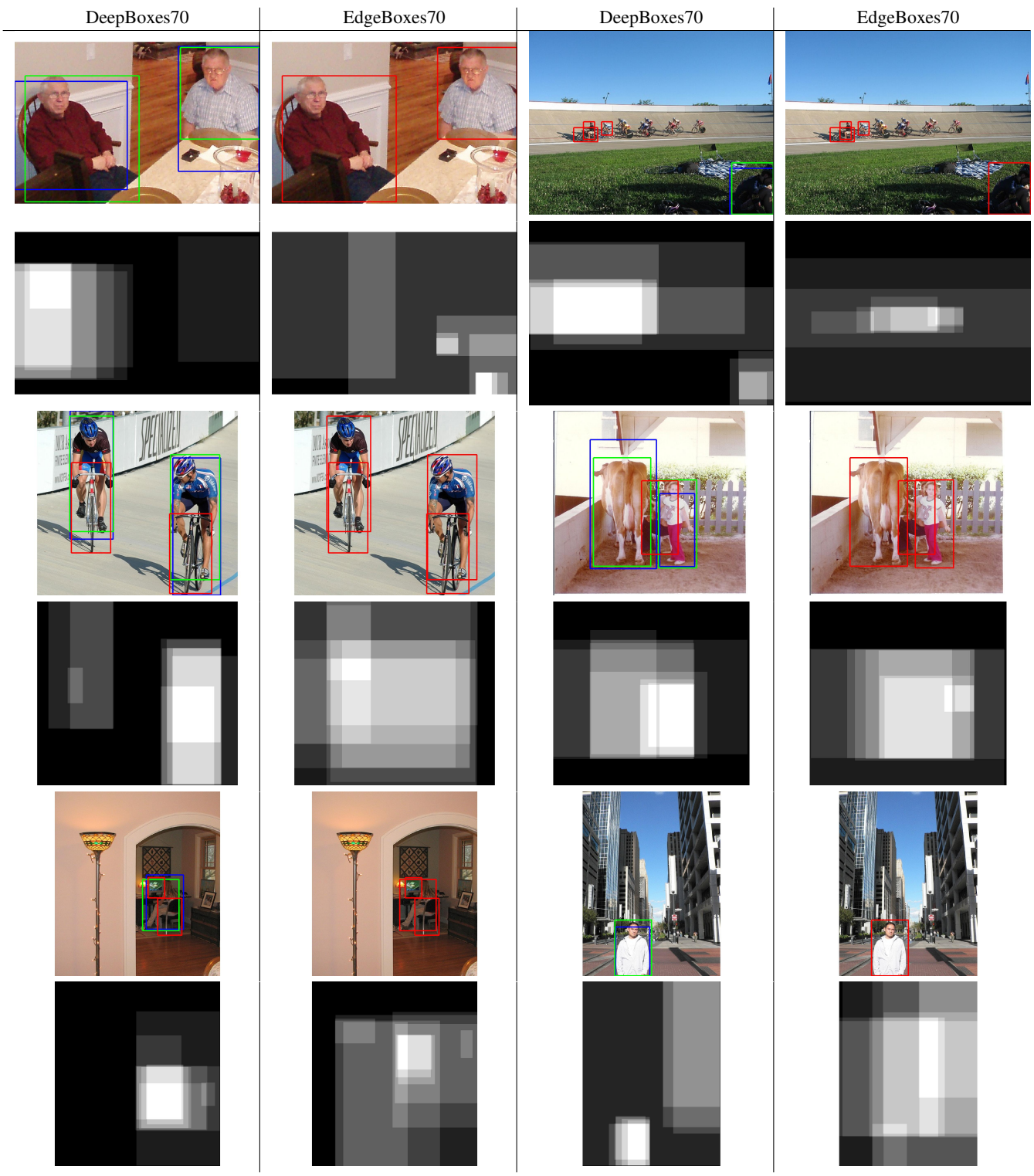

Figure 3: Previous figure continued. Qualitative examples of our object proposals (1st and 3rd column) versus edge boxes proposals (2nd and 4th column). An object is correctly localized if its IoU with ground-truth bounding box is more than 0.7 using **10** proposals for each method. We also show a map indicates the location of first 10 object proposals. It illustrates how our method focuses on the objects even with a few proposals while EdgeBoxes mainly spots the close-shaped regions of the image.