

# Visual Navigation with Spatial Attention - Supplemental

Bar Mayo  
Technion

[mayo.bar@gmail.com](mailto:mayo.bar@gmail.com)

Tamir Hazan  
Technion

[tamir.hazan@technion.ac.il](mailto:tamir.hazan@technion.ac.il)

Ayellet Tal  
Technion

[ayellet@ee.technion.ac.il](mailto:ayellet@ee.technion.ac.il)



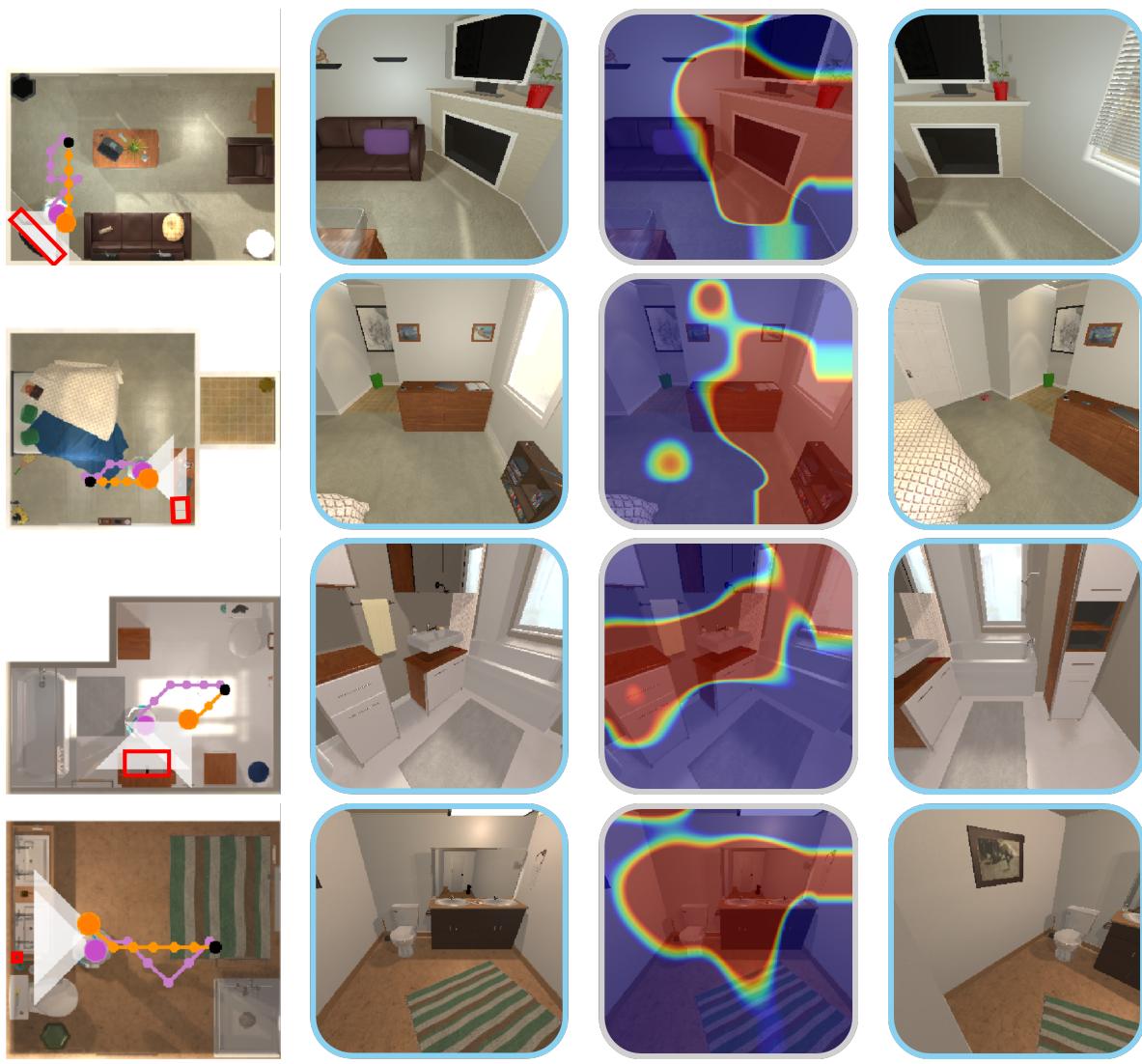
(a) Paths—Ours & [23]'s

(b) Our agent's view

(c) Our attention

(d) [23]'s view

Figure 1. **Visual navigation—additional path examples.** (a) The agent aims at finding the object in the red rectangle (top view), starting from a given location (black circle). Our agent’s path is marked in orange and [23]’s path is in magenta. At each step, the agent is given a specific view, depending on its position. (b) shows our agent’s view before the first move forward, whereas (d) shows [23]’s view before its first move forward. (c) shows our attention model, which combines semantic and spatial information of (b)’s view; it directs our agent’s move.



(b) Our agent’s view      (c) Our attention  
Figure 2. **Visual navigation. Cont’**