

Task:	ImageNav,: navigation to a goal specified by an				
<b>Requires:</b>	(1) Nav skills: detection of navigable space, exi				
	(2) Detection of relative pose wrt the goal				
Cur SOTA:	Train visual encoder + policy end-to-end, or out goal detection to local feature based methods.				
Idea:	Pre-train a <u>binocular</u> ViT with cross-attention on different losses:				
	<ul> <li>Cross-view competition as in Weinzaepfel e NeurIPS 2022</li> </ul>				
	<ul> <li>Extremely-wide baseline relative pose + visi</li> </ul>				
	Use as visual encoder in an end-to-end policy to with RL. Encoder is frozen + adaptors.				



# hrough

ind sizes							
orrect poses		Vis-acc	Nav. perf.				
<b>10</b> °	2m&20°	(%)	<b>SR</b> (%)	<b>SPL</b> (%)			
7.5	98.9	94.0	82.0	59.6			
2.5	96.8	89.3	83.0	55.6			
דו	02 5	Q1 6	70 6	57 1			

DII-L, no adaptors	2001 <b>VI</b>	04.0	J7.U	L			
BiT-L) + adapters	200M	94.0	71.7	Frozen + adapted			
m orig. papers; <sup>2</sup> Mono-view a	ablation	of bas	eline i	n Table III of ( <mark>M</mark> ez			
ed in mono-view settings, see Table 1 of (Al-Halah et al., 2022)							

Cor	npar	ison	w. S	OTA:	Instar	nce Image
	#steps	— SR	R (%) –	<b> SP</b> 2	L (%) —	Task: camera
		max	avg	max	avg	may differ bt
al., 2022)	3500M	5.5	n/a	2.3	n/a	<b>Method:</b> pre
al., 2023)	n/a	56.1	n/a	23.3	n/a	finetune poli
BiT-L)+adapters	200M	61.1	59.3	33.5	32.4	<u>Instance-Ima</u>





