

Table 11. MORL

Methods	MO-Hopper	MO-Swimmer
$\mathcal{D}(\text{best})$	4.48	<u>2.95</u>
End-to-End	<u><math>4.93 \pm 0.01</math></u>	$1.73 \pm 1.22$
End-to-End + GradNorm	$4.38 \pm 0.73$	$0.54 \pm 0.00$
End-to-End + PcGrad	$4.00 \pm 0.33$	$0.52 \pm 0.00$
Multi-Head	$3.97 \pm 0.31$	$0.52 \pm 0.00$
Multi-Head + GradNorm	$4.22 \pm 0.45$	$2.89 \pm 0.07$
Multi-Head + PcGrad	$4.00 \pm 0.34$	$1.52 \pm 1.00$
Multiple Models	$4.00 \pm 0.59$	$2.72 \pm 0.24$
Multiple Models + COMs	<b><math>5.01 \pm 0.01</math></b>	$2.94 \pm 0.00$
Multiple Models + RoMA	$4.68 \pm 0.00$	$2.61 \pm 0.00$
Multiple Models + IOM	/	/
Multiple Models + ICT	$4.65 \pm 0.00$	/
Multiple Models + Tri-Mentoring	/	<b><math>3.06 \pm 0.00</math></b>
MOBO	$4.43 \pm 0.08$	$2.61 \pm 0.02$
MOBO-ParEGO	N/A	N/A
MOBO-JES	N/A	N/A