

Pipeline	MegaDepth					ScanNet					Planar				IMC PhotoTourism						
	Filtered	Precision	Recall	AUC $^F_{\angle}$	AUC $^E_{\angle}$	Filtered	Precision	Recall	AUC $^F_{\angle}$	AUC $^E_{\angle}$	Filtered	Precision	Recall	AUC H^F_{\square}	Filtered	Precision	Recall	AUC $^F_{\angle}$	AUC $^E_{\square}$	AUC $^F_{\angle}$	AUC $^E_{\square}$
DeDoDe2	0.00	68.13	99.99	1.45	65.52	0.00	45.81	99.20	0.50	23.80	0.00	61.15	94.22	26.95	0.00	65.00	100.00	1.43	0.90	69.75	39.93
+ACNe	36.27	88.65	83.77	26.57	61.72	50.15	55.36	56.91	6.76	22.56	42.86	72.71	69.10	42.09	41.83	88.89	80.26	23.27	8.50	65.59	33.92
+ACNe+MAGSAC $_{\top}$	49.19	94.44	71.22	53.89	61.19	64.63	58.01	39.69	15.23	21.99	69.64	80.53	40.75	46.35	53.27	94.17	68.12	51.49	25.80	64.96	33.65
+ACNe+MAGSAC $_{\downarrow}$	53.54	94.95	65.44	54.19	61.38	68.48	57.87	34.39	15.34	21.91	77.33	81.00	30.81	43.98	57.32	94.61	62.43	52.12	26.14	64.89	33.50
+AdaLAM	0.00	68.13	99.99	1.45	65.52	0.00	45.81	99.20	0.50	23.80	0.00	61.15	94.22	26.95	0.00	65.00	100.00	1.43	0.90	69.75	39.93
+AdaLAM+MAGSAC $_{\top}$	41.97	92.08	79.43	54.70	65.19	55.42	57.43	50.08	18.48	25.67	63.94	81.71	47.91	51.41	44.09	89.64	77.33	48.58	26.70	67.23	38.01
+AdaLAM+MAGSAC $_{\downarrow}$	47.33	92.72	72.49	56.12	65.46	60.83	56.95	42.74	18.46	24.58	73.76	82.57	35.35	48.55	49.71	90.16	69.92	49.95	27.57	66.57	37.42
+CC	28.94	87.92	91.15	27.05	64.50	31.95	51.89	74.22	1.99	21.95	15.48	70.75	91.78	52.78	n/a	n/a	n/a	n/a	n/a	n/a	n/a
+CC+MAGSAC $_{\top}$	44.82	94.39	76.46	61.62	64.99	58.93	56.31	45.47	16.02	22.32	63.88	82.26	48.52	51.98	n/a	n/a	n/a	n/a	n/a	n/a	n/a
+CC+MAGSAC $_{\downarrow}$	49.51	94.96	70.37	62.45	63.95	63.58	55.80	39.06	15.92	22.09	73.53	82.68	35.89	48.41	n/a	n/a	n/a	n/a	n/a	n/a	n/a
+CLNet	37.67	86.80	79.56	9.05	58.55	60.14	60.30	50.42	2.27	19.43	34.27	82.80	79.12	49.27	43.20	87.73	77.00	11.72	3.67	62.85	32.06
+CLNet+MAGSAC $_{\top}$	50.61	92.63	67.22	45.63	58.21	71.32	62.43	36.05	9.66	18.89	65.91	80.23	45.16	50.09	54.97	93.15	64.44	44.47	21.98	62.10	31.62
+CLNet+MAGSAC $_{\downarrow}$	54.82	93.19	61.88	46.37	58.42	74.61	62.36	31.47	10.16	18.21	74.93	80.75	33.74	47.09	58.98	93.58	58.93	44.92	23.32	61.95	31.60
+ConvMatch	65.98	85.97	50.05	25.37	47.63	67.44	64.24	46.67	8.78	20.49	78.52	68.37	31.49	24.83	61.92	89.17	58.11	29.81	10.40	57.49	26.31
+ConvMatch+MAGSAC $_{\top}$	72.17	88.24	42.96	37.62	47.74	76.91	65.59	32.28	13.13	21.21	88.64	73.33	18.48	28.68	69.21	92.45	48.89	42.64	17.88	57.31	26.16
+ConvMatch+MAGSAC $_{\downarrow}$	74.50	88.65	39.55	38.05	47.64	79.63	65.62	27.98	12.76	20.42	91.15	73.92	14.83	27.85	71.94	92.85	44.66	43.15	18.24	57.44	26.39
+DeMatch	51.58	88.40	65.18	25.71	55.70	62.96	61.26	48.90	5.93	20.56	63.15	73.22	46.84	37.89	54.50	88.96	65.11	27.37	10.51	60.98	29.96
+DeMatch+MAGSAC $_{\top}$	60.86	93.17	55.48	43.23	55.20	73.43	63.02	33.97	11.25	20.06	79.35	80.49	28.83	40.20	63.47	93.60	54.64	45.13	21.40	60.41	29.52
+DeMatch+MAGSAC $_{\downarrow}$	64.13	93.66	51.05	44.58	55.29	76.48	63.05	29.51	11.40	20.15	84.09	81.05	22.44	37.50	66.70	94.03	49.94	45.51	21.65	60.40	29.64
+FC-GNN	35.70	88.47	84.89	5.81	67.65	46.24	55.08	63.54	1.46	28.24	31.79	73.66	84.25	42.00	39.90	86.27	80.50	7.35	3.69	70.72	41.18
+FC-GNN+MAGSAC $_{\top}$	42.00	95.01	81.14	62.33	66.52	62.27	62.71	48.62	21.20	27.65	52.83	81.42	61.91	54.72	46.79	93.21	76.07	56.34	32.72	69.54	40.13
+FC-GNN+MAGSAC $_{\downarrow}$	43.61	95.28	79.07	63.77	66.86	64.99	62.61	44.75	21.76	28.17	61.19	81.30	51.32	51.79	48.43	93.47	73.85	57.23	33.33	69.30	39.72
+GMS	35.28	84.67	79.47	20.52	63.31	34.47	52.34	72.11	1.66	22.20	35.76	71.53	74.96	43.60	41.39	84.78	75.61	15.59	6.55	65.32	36.27
+GMS+MAGSAC $_{\top}$	50.03	92.41	66.79	60.34	63.82	61.27	56.99	43.25	16.42	21.47	67.33	80.63	42.77	48.08	55.34	92.37	62.59	52.85	29.57	64.45	35.61
+GMS+MAGSAC $_{\downarrow}$	54.28	92.94	61.47	60.70	63.26	65.71	56.36	37.11	16.26	21.84	76.02	80.97	31.60	45.53	59.31	92.79	57.27	53.34	29.83	64.15	35.25
+MAGSAC $_{\top}$	41.97	92.08	79.43	54.70	65.19	55.42	57.43	50.08	18.48	25.67	63.94	81.71	47.91	51.41	44.09	89.64	77.33	48.58	26.70	67.23	38.01
+MAGSAC $_{\downarrow}$	47.33	92.72	72.49	56.12	65.46	60.83	56.95	42.74	18.46	24.58	73.76	82.57	35.35	48.55	49.71	90.16	69.92	49.95	27.57	66.57	37.42
+MOP	16.42	78.18	97.59	3.24	66.52	13.11	49.21	93.08	0.93	24.28	21.44	67.83	89.58	38.81	17.97	76.35	97.24	4.81	2.41	69.97	39.89
+MOP+MAGSAC $_{\top}$	42.39	93.44	79.74	57.82	65.85	56.17	57.89	49.94	18.39	24.92	63.99	81.74	48.69	52.27	45.01	91.13	77.20	51.89	29.28	67.93	38.28
+MOP+MAGSAC $_{\downarrow}$	47.61	94.06	72.90	59.56	65.59	61.37	57.29	42.67	18.45	24.60	73.90	82.56	35.85	49.14	50.38	91.64	69.99	53.09	30.05	67.40	37.90
+MOP+MiHo	9.62	73.39	99.19	2.13	67.04	7.12	47.60	96.29	0.68	23.79	16.32	65.17	90.76	32.89	10.71	71.24	98.92	2.66	1.44	70.07	40.06
+MOP+MiHo+MAGSAC $_{\top}$	42.13	92.63	79.61	55.86	65.73	55.72	57.49	50.10	18.17	25.71	63.87	82.06	48.71	52.10	44.41	90.30	77.44	50.29	28.08	67.55	38.03
+MOP+MiHo+MAGSAC $_{\downarrow}$	47.44	93.33	72.79	57.01	65.23	61.01	57.22	42.99	18.76	24.74	73.61	82.50	35.81	48.52	49.93	90.82	70.09	51.49	29.02	66.77	37.76
+MOP+MiHo+NCC	9.62	70.48	95.46	2.09	66.60	7.12	46.70	95.96	0.69	24.90	16.32	66.94	94.16	33.79	10.71	67.47	93.40	2.62	1.42	68.67	38.41
+MOP+MiHo+NCC+MAGSAC $_{\top}$	44.22	93.50	77.88	53.33	65.29	54.59	57.63	51.95	17.94	25.60	49.00	81.65	69.58	57.49	48.35	90.38	72.00	45.20	23.62	65.99	36.50
+MOP+MiHo+NCC+MAGSAC $_{\downarrow}$	47.70	94.09	73.43	54.87	65.36	58.65	57.38	46.31	18.43	25.42	56.93	81.94	59.11	55.14	52.07	90.97	67.20	46.63	24.76	65.42	35.83
+MOP+NCC	16.42	74.90	93.56	3.10	66.17	13.11	48.28	92.56	0.94	24.74	21.44	69.47	93.37	39.47	17.97	72.11	91.57	4.65	2.35	68.81	38.73
+MOP+NCC+MAGSAC $_{\top}$	44.54	94.04	77.47	54.87	65.89	54.76	58.05	52.20	18.71	26.16	49.06	82.31	69.97	57.67	48.81	91.09	71.76	46.46	24.54	66.24	36.87
+MOP+NCC+MAGSAC $_{\downarrow}$	47.93	94.61	73.15	56.25	65.25	58.71	57.93	46.82	19.07	25.94	57.12	82.68	59.30	54.63	52.33	91.62	67.14	47.60	25.38	65.88	36.48
+MS ² DG-Net	72.45	83.39	37.19	1.26	47.41	70.63	54.46	34.68	0.23	12.31	77.04	66.53	27.37	6.84	71.35	80.62	38.93	0.81	0.39	48.92	21.26
+MS ² DG-Net+MAGSAC $_{\top}$	79.49	91.85	31.19	44.19	46.00	81.00	57.11	21.56	7.08	12.00	88.92	77.26	16.02	30.00	78.81	88.87	32.30	35.14	14.38	48.26	21.04
+MS ² DG-Net+MAGSAC $_{\downarrow}$	81.11	92.37	28.85	44.85	46.90	82.81	56.63	18.89	7.30	11.74	91.34	78.02	12.52	27.83	80.56	89.25	29.69	36.13	15.12	47.95	20.88
+NCC	0.00	60.30	84.56	1.46	56.43	0.00	44.38	97.96	0.49	22.53	0.00	51.93	75.56	22.24	0.00	56.21	84.22	1.43	0.90	54.78	28.45
+NCC+MAGSAC $_{\top}$	53.04	85.66	59.07	43.24	54.60	56.40	56.51	48.34	16.32	23.57	73.00	79.77	34.05	46.36	58.08	83.29	53.56	34.16	16.55	52.71	27.86
+NCC+MAGSAC $_{\downarrow}$	57.69	86.30	53.65	44.17	54.23	60.89	56.18	42.43	16.43	22.46	79.52	80.12	25.94	43.82	63.02	83.78	47.56	34.84	17.14	51.88	27.40
+NCMNet	36.94	87.89	81.66	8.97	58.90	60.19	61.93	52.13	4.17	21.60	32.51	72.49	80.82	49.74	41.67	89.05	80.63	32.81	4.23	63.42	32.30
+NCMNet+MAGSAC $_{\top}$	49.86	93.73	69.12	47.03	58.91	71.50	64.25	37.63	12.21	20.63	64.81	80.00	46.39	50.52	53.57	94.10	67.48	44.75	21.47	62.73	31.54
+NCMNet+MAGSAC $_{\downarrow}$	54.12	94.22	63.57	47.67	58.75	74.98	64.17	32.65	12.21	21.07	74.28	80.16	34.18	47.16	57.68	94.54	61.71	45.03	21.74	62.61	31.66
+OANet	71.66	87.93	38.28	11.25	49.22	79.95	49.08	19.35	2.15	10.51	80.47	71.27	25.80	15.23	74.87	88.18	36.17	12.63	3.46	51.54	22.58
+OANet+MAGSAC $_{\top}$	76.92	92.92	32.98	35.82	47.97	83.90	49.99	14.59	5.35	9.75	88.91	79.18	15.73	33.77	79.38	92.73	31.02	33.43	13.61	50.90	22.20
+OANet+MAGSAC $_{\downarrow}$	78.79	93.36	30.42	36.47	48.33	85.16	49.90	12.90	5.42	9.62	91.40	79.88	12.17	32.30							