1 EPE, RMSE and AAE tables

1.1 Dataset 1

Table 1: EPE error for 3D flow estimated by RAFT-3D and CPD for dataset 1 with $\Delta = 10$

	EPE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.0122	0.0119	0.0087	0.0136	0.0129	0.0133	0.0138	0.0135
t10_20	0.0134	0.0150	0.0138	0.0094	0.0145	0.0143	0.0147	0.0142
t20_30	0.0179	0.0169	0.0235	0.0151	0.0175	0.0170	0.0175	0.0175
t30_40	0.0224	0.0232	0.0146	0.0187	0.0188	0.0180	0.0190	0.0178
t40_50	0.0284	0.0359	0.0358	0.0234	0.0196	0.0209	0.0205	0.0200
t50_60	0.0473	0.0426	0.0514	0.0310	0.0641	0.0578	0.0594	0.0626
t60_70	0.0636	0.0742	0.0903	0.0926	0.0582	0.0622	0.0925	0.0914
t70_80	**0.2839**	**0.2428**	**0.3258**	**0.2774**	**0.2376**	**0.2432**	**0.2814**	**0.2469**
t80_90	0.0946	0.0999	0.0907	0.1126	0.0973	0.1103	0.1178	0.1077
t90_100	0.0658	0.0801	0.0650	0.0789	0.0706	0.0702	0.0567	0.0622
t100_110	0.0448	0.0310	0.0393	0.0342	0.0351	0.0335	0.0348	0.0335
t110_120	0.0478	0.0455	0.0377	0.0414	0.0417	0.0469	0.0570	0.0627
t120_130	0.0458	0.0465	0.0417	0.0482	0.0446	0.0565	0.0560	0.0636
t130_140	0.0507	0.0569	0.0511	0.0525	0.0634	0.0640	0.0604	0.0507
t140_150	0.0518	0.0578	0.0583	0.0481	0.0604	0.0561	0.0597	0.0524
Avg	0.0594	0.0587	0.0632	0.0598	0.0571	0.0589	0.0641	0.0611

Table 2: RMSE error for 3D flow estimated by RAFT-3D and CPD for dataset 1 with $\Delta = 10$

	RMSE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.0154	0.0148	0.0102	0.0156	0.0137	0.0141	0.0144	0.0141
t10_20	0.0172	0.0164	0.0174	0.0105	0.0155	0.0153	0.0154	0.0151
t20_30	0.0198	0.0190	0.0268	0.0181	0.0186	0.0182	0.0183	0.0183
t30_40	0.0249	0.0272	0.0162	0.0210	0.0200	0.0191	0.0199	0.0187
t40_50	0.0460	0.0645	0.0518	0.0292	0.0205	0.0220	0.0216	0.0209
t50_60	0.0544	0.0475	0.0820	0.0327	0.0745	0.0706	0.0743	0.0752
t60_70	0.0691	0.0797	0.0944	0.0964	0.0666	0.0697	0.098	0.0973
t70_80	**0.2907**	**0.2471**	**0.3283**	**0.2819**	**0.2412**	**0.2462**	**0.2845**	**0.2630**
t80_90	0.1201	0.1102	0.0980	0.1231	0.1038	0.1159	0.1209	0.1151
t90_100	0.0704	0.0885	0.0709	0.0863	0.0741	0.0731	0.0619	0.0659
t100_110	0.0509	0.0347	0.0419	0.0383	0.0384	0.0387	0.0383	0.0355
t110_120	0.0522	0.0551	0.0425	0.0460	0.0469	0.0545	0.0622	0.0714
t120_130	0.0506	0.0522	0.0459	0.0524	0.0483	0.0672	0.0625	0.0718
t130_140	0.0584	0.0657	0.0565	0.0603	0.0721	0.0748	0.0686	0.0563
t140_150	0.0576	0.0697	0.0695	0.0526	0.0687	0.0643	0.0655	0.0594
Avg	0.0665	0.0662	0.0702	0.0643	0.0615	0.0642	0.0684	0.0665

Table 3: AAE error for 3D flow estimated by RAFT-3D and CPD for dataset 1 with $\Delta = 10$

	AAE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.6966	0.6818	0.4964	0.7777	0.7406	0.7622	0.7912	0.7743
t10_20	0.7625	0.8506	0.7842	0.5338	0.8230	0.8114	0.8369	0.8037
t20_30	1.0007	0.9418	1.3080	0.8408	0.9756	0.9507	0.974	0.9762
t30_40	1.2252	1.2668	0.8011	1.0188	1.0209	0.9804	1.035	0.9689
t40_50	1.5205	1.9382	1.8967	1.2312	1.0322	1.1001	1.0813	1.0524
t50_60	2.4119	2.1348	2.6811	1.5760	3.3350	3.0084	3.089	3.2524
t60_70	3.6327	4.2408	5.1554	5.2879	3.3247	3.5561	5.2829	5.2156
t70_80	**15.5293**	**13.1816**	**17.9625**	**15.1875**	**12.9224**	**13.2101**	**15.4417**	**13.4083**
t80_90	5.1325	5.4396	4.9753	6.1661	5.3201	6.0244	6.4221	5.8411
t90_100	3.6680	4.4745	3.6355	4.3813	3.9307	3.9204	3.1732	3.4444
t100_110	2.5578	1.7688	2.2451	1.9539	2.0003	1.9063	1.9828	1.9083
t110_120	2.7351	2.6012	2.1561	2.3675	2.3856	2.6810	3.2564	3.5849
t120_130	2.6174	2.6553	2.3893	2.7573	2.5541	3.2309	3.2041	3.6394
t130_140	2.8714	3.2073	2.8830	2.9631	3.5938	3.6298	3.4158	2.8691
t140_150	2.8997	3.2235	3.2701	2.7058	3.3878	3.1535	3.3769	2.956
Avg	3.2841	3.2404	3.5093	3.3166	3.1565	3.2617	3.5576	3.3797

Table 4: Number of points used to estimate 3D flow for dataset 1

Number of flow vectors				
Seq.	cam1	cam2	cam3	cam4
t0_10	64	61	61	64
t10_20	52	55	65	61
t20_30	42	53	52	51
t30_40	33	38	42	49
t40_50	34	35	34	39
t50_60	28	23	31	30
t60_70	15	17	19	20
t70_80	11	12	10	11
t80_90	23	27	24	22
t90_100	37	25	28	28
t100_110	31	35	31	29
t110_120	46	47	39	42
t120_130	47	46	52	49
t130_140	39	45	46	40
t140_150	49	41	54	50

Table 5: EPE error for 3D flow estimated by RAFT-3D and CPD for dataset 1 with $\Delta = 4$

	EPE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_4	0.0069	0.0119	0.0071	0.0072	0.0123	0.0120	0.0114	0.0133
t4_8	0.0094	0.0131	0.0058	0.0093	0.0130	0.0121	0.0117	0.0123
t8_12	0.0120	0.0176	0.0117	0.0086	0.0126	0.0122	0.0127	0.0131
t12_16	0.0154	0.0223	0.0117	0.0102	0.0124	0.0126	0.0126	0.0126
t16_20	0.0134	0.0148	0.0109	0.0099	0.0128	0.0130	0.0126	0.0136
t20_24	0.0092	0.0133	0.0117	0.0065	0.0137	0.0130	0.0135	0.0137
t24_28	0.0150	0.0151	0.0119	0.0136	0.0132	0.0119	0.0136	0.0138
t28_32	0.0189	0.0266	0.0145	0.0112	0.0142	0.0132	0.0121	0.0138
t32_36	0.0223	0.0259	0.0296	0.0164	0.0152	0.0144	0.0139	0.0133
t36_40	0.0263	0.0274	0.0235	0.0159	0.0147	0.0139	0.0140	0.0137
t40_44	0.0229	0.0294	0.0290	0.0165	0.0148	0.0152	0.0149	0.0153
t44_48	0.0281	0.0300	0.0294	0.0168	0.0146	0.0158	0.0154	0.0156
t48_52	0.0196	0.0291	0.0263	0.0158	0.0159	0.0166	0.0134	0.0163
t52_56	0.0297	0.0314	0.0208	0.0213	0.0224	0.0232	0.0241	0.0212
t56_60	0.0358	0.0365	0.0311	0.0319	0.0512	0.0490	0.0533	0.0527
t60_64	0.0500	0.0525	0.0528	0.0571	0.0559	0.0662	0.0756	0.0799
t64_68	0.0499	0.0507	0.0580	0.0594	0.0486	0.0481	0.0509	0.0566
t68_72	0.0911	0.0760	0.0795	0.0931	0.0969	0.0880	0.0832	0.1003
t72_76	**0.1587**	**0.1597**	**0.1745**	**0.1291**	**0.1078**	**0.1146**	**0.1220**	**0.1198**
t76_80	0.0943	0.0991	0.1329	0.0734	0.0571	0.0626	0.0547	0.0539
t80_84	0.0512	0.0587	0.0353	0.0443	0.0592	0.0633	0.0799	0.0598
t84_88	0.0427	0.0355	0.0363	0.0385	0.0542	0.0490	0.0679	0.0615
t88_92	0.0220	0.0353	0.0228	0.0358	0.0179	0.0295	0.0348	0.0286
t92_96	0.0318	0.0332	0.0422	0.0622	0.0263	0.0293	0.0217	0.0270
t96_100	0.0377	0.0557	0.0677	0.0463	0.0425	0.0307	0.0326	0.0350
t100_104	0.0393	0.0388	0.0448	0.0311	0.0327	0.0311	0.0395	0.0374
t104_108	0.0286	0.0309	0.0238	0.0317	0.0320	0.0276	0.0303	0.0295
t108_112	0.0416	0.0384	0.0343	0.0380	0.0503	0.0422	0.0460	0.0558
t112_116	0.0379	0.0325	0.0435	0.0349	0.0390	0.0455	0.0507	0.0459
t116_120	0.0519	0.0518	0.0466	0.0430	0.0457	0.0364	0.0403	0.0444
t120_124	0.0585	0.0580	0.0634	0.0515	0.0479	0.0633	0.0591	0.0637
t124_128	0.0208	0.0210	0.0211	0.0226	0.0257	0.0270	0.0370	0.0352
t128_132	0.0376	0.0426	0.0421	0.0412	0.0455	0.0537	0.0652	0.0549
t132_126	0.0434	0.0272	0.0212	0.0283	0.0377	0.0360	0.0319	0.0348
t136_140	0.0312	0.0383	0.0311	0.0290	0.0273	0.0268	0.0212	0.0220
t140_144	0.0245	0.0464	0.0312	0.0276	0.0280	0.0322	0.0281	0.0282
t144_148	0.0426	0.0350	0.0305	0.0274	0.0328	0.0288	0.0373	0.0328
Avg	0.0371	0.0395	0.0381	0.0340	0.0342	0.0346	0.0367	0.0368

Table 6: RMSE error for 3D flow estimated by RAFT-3D and CPD for dataset 1 with $\Delta = 4$

	RMSE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_4	0.0079	0.0152	0.0103	0.0089	0.0129	0.0126	0.0119	0.0138
t4_8	0.0103	0.0155	0.0071	0.0108	0.0137	0.0128	0.0122	0.0128
t8_12	0.0131	0.0206	0.0142	0.0101	0.0132	0.0129	0.0132	0.0136
t12_16	0.0178	0.0243	0.0154	0.0117	0.0131	0.0133	0.0132	0.0130
t16_20	0.0165	0.0181	0.0133	0.0115	0.0136	0.0138	0.0131	0.0141
t20_24	0.0123	0.0145	0.0148	0.0077	0.0143	0.0137	0.0140	0.0142
t24_28	0.0166	0.0186	0.0144	0.0159	0.0138	0.0126	0.0141	0.0144
t28_32	0.0214	0.0299	0.0193	0.0128	0.0148	0.0139	0.0127	0.0144
t32_36	0.0238	0.0297	0.0338	0.0185	0.0158	0.0150	0.0146	0.0140
t36_40	0.0286	0.0324	0.0263	0.0174	0.0153	0.0145	0.0147	0.0143
t40_44	0.0268	0.0355	0.0342	0.0187	0.0154	0.0158	0.0155	0.0159
t44_48	0.0316	0.0337	0.0357	0.0209	0.0152	0.0164	0.0162	0.0162
t48_52	0.0238	0.0321	0.0331	0.0175	0.0167	0.0170	0.0142	0.0167
t52_56	0.0319	0.0353	0.0268	0.0229	0.0249	0.0257	0.0264	0.0235
t56_60	0.0404	0.0408	0.0363	0.0352	0.0595	0.0601	0.0602	0.0607
t60_64	0.0543	0.0569	0.0564	0.0619	0.0610	0.0717	0.0793	0.0830
t64_68	0.0540	0.0551	0.0626	0.0639	0.0525	0.0533	0.0553	0.0607
t68_72	0.1023	0.0811	0.0830	0.1048	0.1015	0.0912	0.0853	0.1030
t72_76	**0.1604**	**0.1661**	**0.1782**	**0.1361**	**0.1113**	**0.1179**	**0.1232**	**0.1230**
t76_80	0.0991	0.1032	0.1412	0.0768	0.0636	0.0692	0.0609	0.0590
t80_84	0.0574	0.0645	0.0400	0.0497	0.0646	0.0699	0.0835	0.0622
t84_88	0.0455	0.0391	0.0398	0.0399	0.0628	0.0561	0.0852	0.0718
t88_92	0.0267	0.0405	0.0261	0.0383	0.0190	0.0317	0.0370	0.0304
t92_96	0.0351	0.0339	0.0465	0.0675	0.0280	0.0305	0.0239	0.0301
t96_100	0.0451	0.0590	0.0746	0.0514	0.0451	0.0335	0.0364	0.0397
t100_104	0.0437	0.0439	0.0505	0.0353	0.0353	0.0348	0.0433	0.0407
t104_108	0.0312	0.0360	0.0268	0.0354	0.0378	0.0310	0.0341	0.0322
t108_112	0.0463	0.0420	0.0372	0.0408	0.0565	0.0474	0.0509	0.0632
t112_116	0.0403	0.0374	0.0475	0.0395	0.0460	0.0507	0.0554	0.0509
t116_120	0.0588	0.0544	0.0524	0.0468	0.0473	0.0376	0.0441	0.0473
t120_124	0.0619	0.0663	0.0729	0.0588	0.0517	0.0744	0.0682	0.0711
t124_128	0.0240	0.0239	0.0225	0.0251	0.0271	0.0283	0.0383	0.0368
t128_132	0.0406	0.0485	0.0454	0.0470	0.0513	0.0595	0.0695	0.0585
t132_126	0.0500	0.0318	0.0258	0.0316	0.0442	0.0418	0.0366	0.0391
t136_140	0.0360	0.0426	0.0324	0.0302	0.0283	0.0281	0.0227	0.0237
t140_144	0.0294	0.0526	0.0358	0.0306	0.0309	0.0359	0.0309	0.0303
t144_148	0.0478	0.0398	0.0344	0.0305	0.0363	0.0315	0.0409	0.0370
Avg	0.0409	0.0436	0.0424	0.0374	0.0371	0.0377	0.0398	0.0396

Table 7: AAE error for 3D flow estimated by RAFT-3D and CPD for dataset 1 with $\Delta = 4$

	AAE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_4	0.3927	0.6814	0.4079	0.4148	0.7032	0.6864	0.6533	0.7631
t4_8	0.5380	0.7487	0.3310	0.5332	0.7449	0.6925	0.6718	0.7032
t8_12	0.6884	1.0062	0.6708	0.4947	0.7236	0.6982	0.7259	0.7482
t12_16	0.8784	1.2727	0.6668	0.5829	0.7083	0.7184	0.7223	0.7188
t16_20	0.7684	0.8435	0.6216	0.5680	0.7324	0.7413	0.7187	0.7776
t20_24	0.5267	0.7603	0.6663	0.3728	0.7800	0.7402	0.7739	0.7801
t24_28	0.8575	0.8592	0.6801	0.7742	0.7513	0.6796	0.7746	0.7856
t28_32	1.0730	1.5115	0.8222	0.6360	0.8112	0.7539	0.6912	0.7885
t32_36	1.2682	1.4706	1.6795	0.9313	0.8634	0.8221	0.7937	0.7590
t36_40	1.4882	1.5519	1.3341	0.9032	0.8355	0.7875	0.7965	0.7781
t40_44	1.2985	1.6603	1.6396	0.9366	0.8373	0.8612	0.8427	0.8675
t44_48	1.5840	1.6912	1.6606	0.9505	0.8259	0.8957	0.8700	0.8818
t48_52	1.1032	1.6386	1.4726	0.8899	0.8981	0.9356	0.7532	0.9166
t52_56	1.6672	1.7571	1.1665	1.1928	1.2612	1.3051	1.3576	1.1923
t56_60	2.0089	2.0379	1.7445	1.7848	2.8926	2.7663	3.0116	2.9754
t60_64	2.8485	2.9848	3.0044	3.2542	3.1856	3.7688	4.3029	4.5494
t64_68	2.8544	2.9050	3.3186	3.3976	2.7825	2.7530	2.9117	3.2423
t68_72	5.1860	4.3236	4.5134	5.2975	5.5090	5.0009	4.7207	5.7036
t72_76	**9.0216**	**9.0747**	**9.9135**	**7.3277**	**6.1110**	**6.4937**	**6.9148**	**6.7892**
t76_80	5.3582	5.6252	7.5653	4.1661	3.2349	3.5481	3.1053	3.0548
t80_84	2.9072	3.3318	2.0115	2.5205	3.3503	3.5930	4.5132	3.3778
t84_88	2.4299	2.0253	2.0687	2.1955	3.0700	2.7870	3.8359	3.4850
t88_92	1.2586	2.0195	1.3040	2.0453	1.0237	1.6845	1.9864	1.6338
t92_96	1.8105	1.8942	2.4104	3.5494	1.4993	1.6705	1.2378	1.5398
t96_100	2.1497	3.1819	3.8677	2.6404	2.4258	1.7539	1.8586	1.9935
t100_104	2.2491	2.2189	2.5650	1.7775	1.8687	1.7772	2.2540	2.1402
t104_108	1.6397	1.7703	1.3654	1.8162	1.8291	1.5809	1.7358	1.6902
t108_112	2.3794	2.2006	1.9636	2.1729	2.8784	2.4145	2.6319	3.1926
t112_116	2.1707	1.8588	2.4916	1.9957	2.2351	2.6039	2.9052	2.6263
t116_120	2.9712	2.9682	2.6698	2.4618	2.6168	2.0822	2.3079	2.5420
t120_124	3.3435	3.3141	3.6253	2.9485	2.7403	3.6203	3.3774	3.6467
t124_128	1.1885	1.2049	1.2060	1.2972	1.4724	1.5451	2.1169	2.0142
t128_132	2.1519	2.4353	2.4040	2.3555	2.6054	3.0701	3.7295	3.1427
t132_126	2.4798	1.5551	1.2096	1.6175	2.1547	2.0602	1.8238	1.9922
t136_140	1.7822	2.1872	1.7730	1.6558	1.5616	1.5305	1.2142	1.2597
t140_144	1.4014	2.6439	1.7837	1.5752	1.6004	1.8393	1.6093	1.6138
t144_148	2.4260	1.9948	1.7409	1.5635	1.8740	1.6433	2.1332	1.8767
Avg	2.4260	1.9948	1.7409	1.5635	1.8740	1.6433	2.1332	1.8767

Table 8: Number of flow vectors for dataset 1 with $\Delta = 4$

Number of flow vectors				
Seq.	cam1	cam2	cam3	cam4
t0_4	64	61	61	64
t4_8	64	62	71	63
t8_12	58	57	63	66
t12_16	50	58	60	57
t16_20	50	55	55	44
t20_24	42	53	52	51
t24_28	38	42	45	43
t28_32	34	46	43	49
t32_36	31	40	42	47
t36_40	34	35	40	40
t40_44	34	35	34	39
t44_48	29	30	33	33
t48_52	27	24	28	32
t52_56	23	20	21	24
t56_60	21	23	22	23
t60_64	15	17	19	20
t64_68	29	33	31	28
t68_72	21	20	14	16
t72_76	21	19	17	21
t76_80	25	27	33	32
t80_84	23	27	24	22
t84_88	16	22	24	18
t88_92	35	29	28	35
t92_96	33	23	33	27
t96_100	23	26	31	28
t100_104	31	35	31	29
t104_108	40	41	38	40
t108_112	46	52	46	38
t112_116	44	43	44	48
t116_120	52	46	59	56
t120_124	47	46	52	49
t124_128	52	52	46	54
t128_132	54	54	45	55
t132_126	36	43	39	39
t136_140	41	40	47	32
t140_144	49	41	54	50
t144_148	49	51	60	52

1.2 Dataset 2

Table 9: EPE error for 3D flow estimated by RAFT-3D and CPD for dataset 2 with $\Delta = 10$

	EPE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.0179	0.0207	0.0170	0.0180	0.0798	0.0968	0.0763	0.0899
t10_20	0.0918	0.0987	0.0903	0.0744	0.1280	0.1398	0.1398	0.1444
t20_30	**0.2465**	**0.2025**	**0.2640**	**0.2160**	**0.2440**	**0.2362**	**0.2674**	**0.1970**
t30_40	0.1625	0.1622	0.1570	0.1565	0.1624	0.2112	0.1671	0.1835
t40_50	0.1127	0.1255	0.0950	0.1194	0.1562	0.1767	0.1428	0.1337
t50_60	0.0630	0.0575	0.0605	0.0746	0.0728	0.1246	0.1040	0.0851
t60_70	0.0838	0.0663	0.0612	0.0775	0.0916	0.1419	0.1170	0.1046
t70_80	0.1177	0.0819	0.0959	0.1029	0.1145	0.1082	0.2203	0.1220
t80_90	0.0714	0.0785	0.0634	0.0793	0.0643	0.1294	0.1220	0.0747
t90_100	0.1310	0.1265	0.1124	0.1259	0.1086	0.1211	0.2113	0.1071
t100_110	0.1436	0.1126	0.1080	0.1121	0.0889	0.1340	0.1121	0.1034
t110_120	0.0795	0.0920	0.0854	0.0853	0.0817	0.0969	0.1156	0.0955
t120_130	0.0949	0.0933	0.1204	0.0994	0.0874	0.1000	0.1420	0.1047
t130_140	0.0631	0.0722	0.0968	0.0761	0.0702	0.0720	0.0932	0.0833
t140_150	0.0478	0.0512	0.0474	0.0443	0.0477	0.0479	0.0454	0.0550
Avg	0.1018	0.0961	0.0983	0.0974	0.1065	0.1291	0.1384	0.1123

Table 10: RMSE error for 3D flow estimated by RAFT-3D and CPD for dataset 2 with $\Delta = 10$

	RMSE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.0229	0.0280	0.0258	0.0251	0.0939	0.1119	0.0876	0.1016
t10_20	0.1123	0.1199	0.1071	0.1139	0.1339	0.1623	0.1492	0.1676
t20_30	**0.2751**	**0.2288**	**0.2958**	**0.2433**	**0.2653**	**0.2640**	**0.2913**	**0.2416**
t30_40	0.1794	0.1812	0.1765	0.1738	0.1827	0.2237	0.1843	0.1984
t40_50	0.1245	0.1470	0.1150	0.1364	0.1646	0.1982	0.1578	0.1439
t50_60	0.0710	0.0674	0.0675	0.0806	0.0782	0.1313	0.1233	0.0923
t60_70	0.0933	0.0781	0.0702	0.0875	0.0971	0.1630	0.1228	0.1099
t70_80	0.1305	0.1066	0.1113	0.1187	0.1255	0.1505	0.2550	0.1386
t80_90	0.0847	0.0860	0.0719	0.0953	0.0730	0.1424	0.1731	0.0870
t90_100	0.1471	0.1439	0.1312	0.1406	0.1204	0.1344	0.2620	0.1195
t100_110	0.1807	0.1253	0.1235	0.1249	0.0995	0.1447	0.1216	0.1126
t110_120	0.0985	0.1073	0.1008	0.0981	0.0962	0.1102	0.1310	0.1086
t120_130	0.1205	0.1091	0.1408	0.1226	0.1067	0.1189	0.1643	0.1227
t130_140	0.0742	0.0846	0.1123	0.0973	0.0759	0.0870	0.1135	0.0921
t140_150	0.0528	0.0553	0.0518	0.0480	0.0518	0.0510	0.0494	0.0580
Avg	0.1178	0.1112	0.1134	0.1137	0.1176	0.1462	0.1591	0.1263

Table 11: AAE error for 3D flow estimated by RAFT-3D and CPD for dataset 2 with $\Delta = 10$

	AAE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	1.0008	1.1603	0.9490	1.0071	4.4814	5.4392	4.2887	5.0565
t10_20	4.7707	5.1289	4.7035	3.8799	6.6919	7.3585	7.3450	7.5990
t20_30	**13.6950**	**11.4263**	**14.6339**	**12.0692**	**13.6520**	**13.3192**	**14.9121**	**11.0849**
t30_40	9.0805	9.0859	8.8176	8.7594	9.0759	11.8167	9.3755	10.2652
t40_50	6.3817	7.0730	5.3628	6.7043	8.8231	9.8210	8.0297	7.5198
t50_60	3.6011	3.2805	3.4571	4.2603	4.1569	7.0983	5.8862	4.8505
t60_70	4.7617	3.7658	3.4766	4.4020	5.2088	7.9596	6.6507	5.9176
t70_80	6.6617	4.5918	5.4068	5.8211	6.4842	6.0633	12.2640	6.8746
t80_90	4.0543	4.4358	3.5760	4.4808	3.6546	7.3053	6.7338	4.2358
t90_100	7.3008	7.0282	6.1991	7.0274	6.0464	6.7147	11.5844	5.9837
t100_110	7.9770	6.2897	6.0036	6.2301	4.9564	7.4691	6.2163	5.7560
t110_120	4.4524	5.1315	4.7617	4.7569	4.5709	5.3707	6.4122	5.3425
t120_130	5.3670	5.2231	6.7250	5.5774	4.9450	5.5836	7.8807	5.8864
t130_140	3.5943	4.1070	5.4878	4.3133	4.0032	4.0915	5.2781	4.7461
t140_150	2.7283	2.9242	2.7062	2.5335	2.7284	2.7345	2.5944	3.1459
Avg	5.6952	5.3768	5.4844	5.4548	5.9653	7.2097	7.6968	6.2843

Table 12: Number of points used to estimate 3D flow for dataset 2

Number of flow vectors				
cam1	cam2	cam3	cam4	
t0_10	128	103	142	95
t10_20	52	34	60	37
t20_30	52	30	51	25
t30_40	112	82	108	84
t40_50	31	43	46	60
t50_60	93	57	68	72
t60_70	123	107	83	66
t70_80	106	31	62	41
t80_90	94	47	61	55
t90_100	123	96	30	66
t100_110	106	91	42	56
t110_120	80	111	55	46
t120_130	55	96	57	62
t130_t140	88	95	77	76
t140_150	125	157	120	104

Table 13: EPE error for 3D flow estimated by RAFT-3D and CPD for dataset 2 with $\Delta = 4$

	EPE							
	RAFT-3D				CPD			
t0_4	0.0076	0.0128	0.0110	0.0155	0.0736	0.0911	0.0693	0.0858
t4_8	0.0119	0.0185	0.0097	0.0077	0.0646	0.0953	0.0652	0.0971
t8_12	0.0142	0.0145	0.0121	0.0151	0.0593	0.0966	0.0581	0.0799
t12_16	0.0123	0.0192	0.0099	0.0201	0.0749	0.0783	0.0751	0.0817
t16_20	0.0935	0.0702	0.0835	0.0600	0.1069	0.1112	0.1077	0.1145
t20_24	**0.1225**	**0.1121**	**0.1391**	**0.0984**	**0.1305**	0.1310	**0.1330**	**0.1353**
t24_28	0.0947	0.0768	0.0974	0.0784	0.0899	0.0946	0.1025	0.0885
t28_32	0.0154	0.0214	0.0250	0.0208	0.0358	0.0777	0.0389	0.0624
t32_36	0.0833	0.0867	0.0806	0.0796	0.0939	**0.1360**	0.0903	0.1148
t36_40	0.0748	0.0776	0.0803	0.0814	0.0836	0.1237	0.0995	0.1055
t40_44	0.0575	0.0562	0.0508	0.0627	0.0825	0.1042	0.0753	0.0856
t44_48	0.0400	0.0477	0.0372	0.0701	0.0693	0.1136	0.0664	0.0732
t48_52	0.0358	0.0332	0.0300	0.0435	0.0510	0.1077	0.0710	0.0712
t52_56	0.0295	0.0259	0.0334	0.0279	0.0485	0.1022	0.0887	0.0725
t56_60	0.0271	0.0312	0.0255	0.0388	0.0451	0.1100	0.0877	0.0767
t60_64	0.0183	0.0218	0.0168	0.0283	0.0456	0.1191	0.0852	0.0720
t64_68	0.0458	0.0308	0.0330	0.0416	0.0547	0.1107	0.0950	0.0818
t68_72	0.0616	0.0380	0.0447	0.0531	0.0630	0.1200	0.0944	0.0857
t72_76	0.0566	0.0406	0.0446	0.0465	0.0514	0.0671	0.0989	0.0788
t76_80	0.0378	0.0363	0.0423	0.0457	0.0382	0.0427	0.0997	0.0611
t80_84	0.0286	0.0324	0.0413	0.0363	0.0272	0.0965	0.0885	0.0433
t84_88	0.0353	0.0397	0.0309	0.0384	0.0327	0.0862	0.0454	0.0366
t88_92	0.0472	0.0453	0.0490	0.0465	0.0403	0.0924	0.0480	0.0435
t92_96	0.0535	0.0564	0.0569	0.0538	0.0463	0.0990	0.0656	0.0474
t96_100	0.0537	0.0549	0.0600	0.0587	0.0466	0.0942	0.0810	0.0589
t100_104	0.0539	0.0604	0.0633	0.0505	0.0409	0.0861	0.0848	0.0564
t104_108	0.0454	0.0425	0.0585	0.0380	0.0352	0.0686	0.0784	0.0539
t108_112	0.0417	0.0374	0.0504	0.0316	0.0330	0.0708	0.0693	0.0448
t112_116	0.0422	0.0392	0.0480	0.0353	0.0357	0.0653	0.0875	0.0444
t116_120	0.0390	0.0430	0.0441	0.0342	0.0365	0.0667	0.0874	0.0408
t120_124	0.0371	0.0434	0.0488	0.0444	0.0367	0.0577	0.0821	0.0462
t124_128	0.0312	0.0439	0.0548	0.0429	0.0337	0.0585	0.0780	0.0467
t128_132	0.0308	0.0391	0.0463	0.0278	0.0338	0.0462	0.0635	0.0355
t132_126	0.0282	0.0358	0.0439	0.0338	0.0344	0.0401	0.0559	0.0386
t136_140	0.0255	0.0261	0.0285	0.0268	0.0347	0.0344	0.0394	0.0348
t140_144	0.0236	0.0266	0.0219	0.0234	0.0287	0.0325	0.0338	0.0328
t144_148	0.0221	0.0252	0.0202	0.0218	0.0279	0.0312	0.0317	0.0311
Avg	0.0427	0.0422	0.0452	0.0427	0.0531	0.0854	0.0763	0.0665

Table 14: RMSE error for 3D flow estimated by RAFT-3D and CPD for dataset 2 with $\Delta = 4$

	RMSE							
	RAFT-3D				CPD			
t0_4	0.0139	0.0178	0.0234	0.0205	0.0894	0.1074	0.0821	0.0981
t4_8	0.0144	0.0219	0.0131	0.0086	0.0752	0.1124	0.0749	0.1145
t8_12	0.0235	0.0160	0.0182	0.0180	0.0656	0.1172	0.0646	0.0896
t12_16	0.0155	0.0242	0.0114	0.0241	0.0788	0.0885	0.0787	0.0917
t16_20	0.1138	0.0795	0.1021	0.0687	0.1154	0.1202	0.1146	0.1220
t20_24	**0.1337**	**0.1251**	**0.1532**	**0.1161**	**0.1387**	0.1451	**0.1442**	**0.1484**
t24_28	0.1122	0.0884	0.1098	0.0858	0.0996	0.1032	0.1135	0.0984
t28_32	0.0168	0.0246	0.0289	0.0232	0.0400	0.0881	0.0428	0.0712
t32_36	0.0942	0.0937	0.0898	0.0906	0.1036	0.1440	0.0983	0.1218
t36_40	0.0873	0.0876	0.0879	0.0903	0.0951	0.1343	0.1085	0.1133
t40_44	0.0622	0.0635	0.0583	0.0723	0.0867	0.1135	0.0826	0.0927
t44_48	0.0460	0.0557	0.0447	0.0819	0.0754	0.1234	0.0753	0.0831
t48_52	0.0392	0.0376	0.0362	0.0488	0.0575	0.1161	0.0947	0.0800
t52_56	0.0324	0.0299	0.0365	0.0316	0.0533	0.1108	0.1191	0.0806
t56_60	0.0300	0.0356	0.0288	0.0422	0.0505	0.1201	0.0995	0.0842
t60_64	0.0221	0.0257	0.0207	0.0317	0.0497	**0.1453**	0.0956	0.0818
t64_68	0.0510	0.0347	0.0367	0.0480	0.0580	0.1285	0.1024	0.0874
t68_72	0.0675	0.0463	0.0490	0.0588	0.0667	0.1385	0.1019	0.0968
t72_76	0.0636	0.0472	0.0514	0.0514	0.0579	0.0872	0.1066	0.0889
t76_80	0.0436	0.0426	0.0461	0.0538	0.0424	0.0578	0.1067	0.0702
t80_84	0.0329	0.0350	0.0468	0.0419	0.0311	0.1187	0.1406	0.0510
t84_88	0.0414	0.0434	0.0379	0.0437	0.0368	0.0983	0.0804	0.0419
t88_92	0.0542	0.0525	0.0556	0.0552	0.0453	0.1153	0.0564	0.0481
t92_96	0.0591	0.0639	0.0663	0.0637	0.0505	0.1224	0.0705	0.0526
t96_100	0.0593	0.0614	0.0682	0.0636	0.0512	0.1228	0.0918	0.0634
t100_104	0.0646	0.0652	0.0737	0.0551	0.0454	0.0962	0.0961	0.0601
t104_108	0.0537	0.0469	0.0669	0.0420	0.0390	0.0781	0.0912	0.0581
t108_112	0.0517	0.0411	0.0599	0.0357	0.0373	0.0840	0.0853	0.0487
t112_116	0.0487	0.0443	0.0557	0.0407	0.0404	0.0769	0.1021	0.0491
t116_120	0.0451	0.0497	0.0527	0.0404	0.0413	0.0782	0.1003	0.0467
t120_124	0.0453	0.0499	0.0560	0.0519	0.0438	0.0671	0.0959	0.0520
t124_128	0.0407	0.0522	0.0618	0.0533	0.0392	0.0696	0.0925	0.0530
t128_132	0.0370	0.0466	0.0559	0.0339	0.0390	0.0568	0.0785	0.0401
t132_126	0.0324	0.0399	0.0502	0.0464	0.0371	0.0469	0.0665	0.0422
t136_140	0.0296	0.0296	0.0326	0.0315	0.0365	0.0383	0.0462	0.0369
t140_144	0.0265	0.0288	0.0237	0.0262	0.0312	0.0350	0.0378	0.0346
t144_148	0.0251	0.0280	0.0221	0.0248	0.0307	0.0328	0.0349	0.0326
Avg	0.0495	0.0480	0.0522	0.0491	0.0588	0.0983	0.0885	0.0737

Table 15: AAE error for 3D flow estimated by RAFT-3D and CPD for dataset 2 with $\Delta = 4$

	AAE							
	RAFT-3D				CPD			
t0_4	0.4350	0.7339	0.6308	0.8842	4.1956	5.1835	3.9570	4.8941
t4_8	0.6780	1.0509	0.5557	0.4406	3.6857	5.4091	3.7207	5.5134
t8_12	0.8023	0.8223	0.6866	0.8526	3.3720	5.4583	3.2993	4.5360
t12_16	0.6926	1.0766	0.5548	1.1252	4.2282	4.4162	4.2369	4.6120
t16_20	5.2868	3.9429	4.7130	3.3833	6.0485	6.2633	6.0923	6.4566
t20_24	**6.9488**	**6.3769**	**7.8810**	**5.6046**	**7.4138**	7.4492	**7.5480**	**7.6948**
t24_28	5.3918	4.3871	5.5522	4.4806	5.1291	5.4005	5.8483	5.0521
t28_32	0.8794	1.2285	1.4335	1.1930	2.0471	4.4354	2.2256	3.5644
t32_36	4.7521	4.9511	4.6080	4.5446	5.3576	**7.7453**	5.1591	6.5436
t36_40	4.2650	4.4313	4.5851	4.6444	4.7697	7.0288	5.6694	6.0073
t40_44	3.2869	3.2085	2.9025	3.5735	4.7094	5.9211	4.2939	4.8750
t44_48	2.2835	2.7263	2.1246	3.9924	3.9511	6.4450	3.7835	4.1684
t48_52	2.0456	1.8988	1.7180	2.4891	2.9110	6.1229	4.0274	4.0634
t52_56	1.6865	1.4811	1.9143	1.5991	2.7711	5.8230	5.0126	4.1367
t56_60	1.5502	1.7851	1.4599	2.2220	2.5800	6.2678	5.0065	4.3793
t60_64	1.0488	1.2458	0.9594	1.6209	2.6087	6.7284	4.8696	4.1033
t64_68	2.6178	1.7638	1.8864	2.3766	3.1275	6.2859	5.4272	4.6617
t68_72	3.5185	2.1708	2.5553	3.0302	3.6031	6.7985	5.3894	4.8753
t72_76	3.2313	2.3163	2.5494	2.6602	2.9365	3.8203	5.6441	4.4857
t76_80	2.1624	2.0711	2.4142	2.6122	2.1860	2.4396	5.6952	3.4869
t80_84	1.6359	1.8539	2.3620	2.0781	1.5558	5.4722	4.9563	2.4707
t84_88	2.0193	2.2667	1.7683	2.1943	1.8682	4.8981	2.5555	2.0900
t88_92	2.6930	2.5824	2.7964	2.6511	2.3035	5.2208	2.7314	2.4850
t92_96	3.0490	3.2183	3.2455	3.0684	2.6403	5.5928	3.7303	2.7048
t96_100	3.0600	3.1291	3.4234	3.3450	2.6578	5.3069	4.5954	3.3542
t100_104	3.0751	3.4471	3.6122	2.8797	2.3319	4.8828	4.7953	3.2140
t104_108	2.5893	2.4262	3.3397	2.1665	2.0071	3.8890	4.4333	3.0700
t108_112	2.3819	2.1320	2.8747	1.8053	1.8842	4.0059	3.9175	2.5538
t112_116	2.4064	2.2346	2.7396	2.0126	2.0361	3.6952	4.9415	2.5307
t116_120	2.2268	2.4500	2.5159	1.9496	2.0884	3.7790	4.9363	2.3258
t120_124	2.1214	2.4747	2.7849	2.5313	2.0951	3.2765	4.6470	2.6411
t124_128	1.7823	2.5089	3.1250	2.4526	1.9274	3.3345	4.4231	2.6681
t128_132	1.7630	2.2356	2.6440	1.5910	1.9350	2.6375	3.6092	2.0337
t132_126	1.6144	2.0509	2.5096	1.9303	1.9708	2.2909	3.1878	2.2102
t136_140	1.4604	1.4959	1.6291	1.5359	1.9846	1.9681	2.2506	1.9905
t140_144	1.3511	1.5255	1.2566	1.3418	1.6463	1.8580	1.9351	1.8768
t144_148	1.2653	1.4442	1.1575	1.2499	1.6006	1.7852	1.8141	1.7833
Avg	2.4340	2.4093	2.5802	2.4355	3.0315	4.8469	4.3342	3.7868

Table 16: Number of flow vectors for dataset 2 with $\Delta = 4$

Number of flow vectors				
Seq.	cam1	cam2	cam3	cam4
t0_4	128	103	142	95
t4_8	91	64	102	64
t8_12	63	45	75	42
t12_16	45	30	48	33
t16_20	50	27	52	30
t20_24	52	30	51	25
t24_28	54	21	56	24
t28_32	82	44	84	44
t32_36	45	62	53	62
t36_40	31	57	35	54
t40_44	31	43	46	60
t44_48	58	25	66	53
t48_52	90	31	78	70
t52_56	112	67	70	73
t56_60	140	110	82	92
t60_64	123	107	83	66
t64_68	119	66	78	54
t68_72	104	43	70	46
t72_76	104	38	54	40
t76_80	97	38	58	40
t80_84	94	47	61	55
t84_88	116	96	49	58
t88_92	130	117	39	61
t92_96	112	74	34	57
t96_100	111	83	44	58
t100_104	106	91	42	56
t104_108	97	103	56	47
t108_112	82	110	51	49
t112_116	66	6110	50	46
t116_120	63	98	46	48
t120_124	55	96	57	62
t124_128	61	95	66	65
t128_132	74	92	69	72
t132_126	88	106	89	88
t136_140	98	130	111	96
t140_144	125	157	120	104
t144_148	129	154	119	112

1.3 Dataset 3

Table 17: EPE error for 3D flow estimated by RAFT-3D and CPD for dataset 3 with $\Delta = 10$

	EPE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.0504	0.0473	0.0468	0.0477	0.0868	0.1074	0.0852	0.1048
t10_20	**0.0976**	**0.0976**	**0.0946**	**0.0861**	**0.1105**	**0.1379**	**0.1118**	**0.1332**
t20_30	0.0390	0.0407	0.0594	0.0379	0.0463	0.0916	0.0585	0.0855
t30_40	0.0305	0.0301	0.0378	0.0365	0.0357	0.0716	0.0380	0.0696
t40_50	0.0205	0.0215	0.0208	0.0193	0.0344	0.0767	0.0415	0.0741
t50_60	0.0177	0.0238	0.0217	0.0183	0.0322	0.0796	0.0413	0.0731
t60_70	0.0140	0.0189	0.0227	0.0178	0.0287	0.0746	0.0336	0.0723
t70_80	0.0150	0.0258	0.0187	0.0165	0.0293	0.0743	0.0307	0.0712
t80_90	0.0115	0.0277	0.0166	0.0154	0.0277	0.0725	0.0287	0.0696
t90_100	0.0109	0.0249	0.0156	0.0164	0.0258	0.0688	0.0272	0.0735
t100_110	0.0097	0.0222	0.0136	0.0154	0.0253	0.0691	0.0272	0.0674
t110_120	0.0093	0.0215	0.0144	0.0148	0.0251	0.0694	0.0262	0.0648
t120_130	0.0096	0.0125	0.0120	0.0135	0.0234	0.0695	0.0254	0.0689
t130_t140	0.0082	0.0119	0.0108	0.0119	0.0214	0.0681	0.0253	0.0656
t140_150	0.0085	0.0114	0.0117	0.0120	0.0206	0.0603	0.0244	0.0669
Avg	0.0235	0.0292	0.0278	0.0253	0.0382	0.0794	0.0417	0.0774

Table 18: RMSE error for 3D flow estimated by RAFT-3D and CPD for dataset 3 with $\Delta = 10$

	RMSE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	0.0602	0.0581	0.0560	0.0577	0.1036	0.1194	0.0991	0.1195
t10_20	**0.1144**	**0.1192**	**0.1058**	**0.1007**	**0.1241**	**0.1504**	**0.1258**	**0.1455**
t20_30	0.0419	0.0465	0.0718	0.0428	0.0489	0.1014	0.0650	0.0939
t30_40	0.0348	0.0338	0.0429	0.0428	0.0381	0.0793	0.0404	0.0800
t40_50	0.0232	0.0245	0.0247	0.0235	0.0379	0.0854	0.0457	0.0844
t50_60	0.0202	0.0274	0.0248	0.0218	0.0348	0.0899	0.0461	0.0849
t60_70	0.0160	0.0231	0.0263	0.0209	0.0315	0.0835	0.0367	0.0848
t70_80	0.0169	0.0291	0.0217	0.0197	0.0318	0.0821	0.0338	0.0830
t80_90	0.0134	0.0342	0.0194	0.0180	0.0302	0.0812	0.0313	0.0820
t90_100	0.0120	0.0282	0.0179	0.0192	0.0281	0.0758	0.0295	0.0849
t100_110	0.0111	0.0254	0.0158	0.0188	0.0273	0.0753	0.0292	0.0759
t110_120	0.0104	0.0261	0.0165	0.0168	0.0272	0.0757	0.0283	0.0742
t120_130	0.0105	0.0147	0.0141	0.0148	0.0256	0.0756	0.0274	0.0814
t130_t140	0.0094	0.0142	0.0124	0.0132	0.0234	0.0745	0.0274	0.0745
t140_150	0.0098	0.0138	0.0133	0.0134	0.0224	0.0650	0.0263	0.0795
Avg	0.0269	0.0346	0.0322	0.0296	0.0423	0.0876	0.0461	0.0886

Table 19: AAE error for 3D flow estimated by RAFT-3D and CPD for dataset 3 with $\Delta = 10$

	AAE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_10	2.8469	2.6714	2.6397	2.6963	4.9097	6.0758	4.8270	5.9255
t10_20	**5.4736**	**5.4810**	**5.2895**	**4.8155**	**6.2243**	**7.7310**	**6.2948**	**7.4571**
t20_30	2.2338	2.3302	3.3911	2.1703	2.6493	5.2221	3.3444	4.8800
t30_40	1.7455	1.7250	2.1657	2.0865	2.0444	4.0844	2.1749	3.9713
t40_50	1.1766	1.2327	1.1920	1.1055	1.9704	4.3818	2.3739	4.2300
t50_60	1.0133	1.3632	1.2412	1.0457	1.8416	4.5444	2.3647	4.1726
t60_70	0.7994	1.0835	1.2995	1.0225	1.6417	4.2608	1.9221	4.1247
t70_80	0.8621	1.4750	1.0698	0.9443	1.6777	4.2429	1.7606	4.0622
t80_90	0.6583	1.5865	0.9498	0.8801	1.5890	4.1399	1.6459	3.9692
t90_100	0.6267	1.4255	0.8912	0.9392	1.4775	3.9296	1.5572	4.1933
t100_110	0.5565	1.2719	0.7815	0.8804	1.4493	3.9471	1.5590	3.8528
t110_120	0.5314	1.2301	0.8259	0.8457	1.4360	3.9659	1.4995	3.7050
t120_130	0.5489	0.7177	0.6884	0.7737	1.3423	3.9704	1.4550	3.9339
t130_t140	0.4694	0.6828	0.6184	0.6829	1.2278	3.8892	1.4487	3.7500
t140_150	0.4863	0.6532	0.6685	0.6901	1.1791	3.4498	1.3967	3.8204
Avg	1.3352	1.6620	1.5808	1.4386	2.1773	4.5223	2.3750	4.4032

Table 20: Number of points used to estimate 3D flow for dataset 3

Number of flow vectors				
Seq.	cam1	cam2	cam3	cam4
t0_10	126	104	141	94
t10_20	85	58	99	58
t20_30	98	78	104	77
t30_40	103	84	113	91
t40_50	103	94	111	91
t50_60	104	90	98	87
t60_70	96	88	101	92
t70_80	94	91	90	94
t80_90	102	85	96	89
t90_100	92	82	91	84
t100_110	88	82	96	87
t110_120	96	75	88	78
t120_130	94	73	92	79
t130_140	83	78	84	83
t140_150	89	77	91	80

Table 21: EPE error for 3D flow estimated by RAFT-3D and CPD for dataset 3 with $\Delta = 4$

	EPE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_4	0.0134	0.0176	0.0132	0.0160	**0.0721**	0.0914	0.0696	0.0873
t4_8	0.0243	0.0223	0.0239	0.0226	0.0669	0.0905	0.0679	0.0968
t8_12	0.0372	0.0326	0.0408	0.0341	0.0659	0.0898	0.0701	**0.0982**
t12_16	**0.0438**	**0.0419**	**0.0524**	**0.0494**	0.0686	**0.0997**	**0.0728**	0.0969
t16_20	0.0359	0.0387	0.0386	0.0414	0.0548	0.0891	0.0540	0.0960
t20_24	0.0270	0.0268	0.0350	0.0357	0.0384	0.0835	0.0532	0.0774
t24_28	0.0153	0.0210	0.0251	0.0191	0.0349	0.0766	0.0477	0.0761
t28_32	0.0202	0.0165	0.0284	0.0219	0.0341	0.0688	0.0487	0.0678
t32_36	0.0147	0.0146	0.0253	0.0268	0.0337	0.0668	0.0462	0.0701
t36_40	0.0114	0.0143	0.0191	0.0175	0.0323	0.0710	0.0521	0.0705
t40_44	0.0102	0.0120	0.0159	0.0171	0.0332	0.0733	0.0459	0.0722
t44_48	0.0098	0.0205	0.0138	0.0141	0.0308	0.0763	0.0467	0.0766
t48_52	0.0081	0.0189	0.0142	0.0124	0.0297	0.0750	0.0435	0.0713
t52_56	0.0082	0.0187	0.0128	0.0124	0.0304	0.0775	0.0429	0.0758
t56_60	0.0081	0.0203	0.0169	0.0149	0.0293	0.0758	0.0400	0.0716
t60_64	0.0077	0.0131	0.0147	0.0128	0.0263	0.0745	0.0363	0.0711
t64_68	0.0084	0.0124	0.0140	0.0124	0.0285	0.0719	0.0333	0.0717
t68_72	0.0076	0.0176	0.0150	0.0128	0.0284	0.0722	0.0323	0.0736
t72_76	0.0079	0.0119	0.0137	0.0126	0.0271	0.0749	0.0301	0.0700
t76_80	0.0070	0.0178	0.0121	0.0133	0.0259	0.0714	0.0302	0.0673
t80_84	0.0072	0.0198	0.0123	0.0127	0.0255	0.0709	0.0284	0.0708
t84_88	0.0072	0.0173	0.0131	0.0135	0.0265	0.0723	0.0270	0.0680
t88_92	0.0062	0.0185	0.0124	0.0132	0.0244	0.0704	0.0265	0.0694
t92_96	0.0066	0.0106	0.0115	0.0137	0.0251	0.0693	0.0257	0.0778
t96_100	0.0063	0.0101	0.0122	0.0132	0.0258	0.0661	0.0261	0.0687
t100_104	0.0065	0.0178	0.0097	0.0120	0.0258	0.0696	0.0267	0.0660
t104_108	0.0069	0.0105	0.0107	0.0114	0.0231	0.0680	0.0257	0.0668
t108_112	0.0056	0.0101	0.0097	0.0132	0.0232	0.0674	0.0247	0.0671
t112_116	0.0060	0.0100	0.0092	0.0120	0.0241	0.0691	0.0245	0.0678
t116_120	0.0064	0.0076	0.0096	0.0107	0.0216	0.0643	0.0242	0.0689
t120_124	0.0069	0.0092	0.0089	0.0100	0.0224	0.0704	0.0240	0.0662
t124_128	0.0062	0.0085	0.0077	0.0097	0.0221	0.0708	0.0232	0.0654
t128_132	0.0064	0.0083	0.0082	0.0084	0.0214	0.0690	0.0234	0.0643
t132_126	0.0063	0.0080	0.0076	0.0094	0.0228	0.0682	0.0232	0.0663
t136_140	0.0061	0.0084	0.0081	0.0096	0.0209	0.0646	0.0227	0.0603
t140_144	0.0058	0.0089	0.0079	0.0095	0.0206	0.0615	0.0230	0.0667
t144_148	0.0072	0.0084	0.0074	0.0088	0.0210	0.0595	0.0223	0.0646
Avg	0.0118	0.0163	0.0165	0.0165	0.0321	0.0736	0.0374	0.0731

Table 22: RMSE error for 3D flow estimated by RAFT-3D and CPD for dataset 3 with $\Delta = 4$

	RMSE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_4	0.0192	0.0214	0.0225	0.0216	**0.0893**	0.1069	0.0828	0.1027
t4_8	0.0284	0.0282	0.0282	0.0286	0.0792	0.1042	0.0815	**0.1167**
t8_12	0.0423	0.0390	0.0459	0.0420	0.0760	0.1033	0.0834	0.1136
t12_16	**0.0514**	**0.0488**	**0.0580**	**0.0579**	0.0792	**0.1146**	**0.0860**	0.1068
t16_20	0.0394	0.0436	0.0426	0.0450	0.0607	0.1029	0.0628	0.1097
t20_24	0.0297	0.0307	0.0408	0.0412	0.0423	0.0956	0.0620	0.0865
t24_28	0.0170	0.0245	0.0275	0.0214	0.0383	0.0880	0.0594	0.0894
t28_32	0.0224	0.0180	0.0325	0.0257	0.0377	0.0786	0.0593	0.0787
t32_36	0.0177	0.0164	0.0292	0.0327	0.0376	0.0758	0.0563	0.0801
t36_40	0.0130	0.0157	0.0212	0.0224	0.0359	0.0800	0.0617	0.0812
t40_44	0.0116	0.0140	0.0177	0.0206	0.0373	0.0825	0.0545	0.0829
t44_48	0.0114	0.0241	0.0160	0.0148	0.0346	0.0860	0.0565	0.0904
t48_52	0.0093	0.0223	0.0165	0.0133	0.0332	0.0847	0.0516	0.0830
t52_56	0.0095	0.0218	0.0154	0.0135	0.0340	0.0878	0.0504	0.0900
t56_60	0.0093	0.0239	0.0193	0.0161	0.0329	0.0855	0.0457	0.0836
t60_64	0.0088	0.0152	0.0171	0.0141	0.0298	0.0841	0.0409	0.0829
t64_68	0.0094	0.0142	0.0158	0.0141	0.0316	0.0807	0.0372	0.0826
t68_72	0.0084	0.0199	0.0181	0.0147	0.0313	0.0801	0.0365	0.0861
t72_76	0.0095	0.0138	0.0158	0.0139	0.0303	0.0844	0.0341	0.0798
t76_80	0.0077	0.0204	0.0138	0.0153	0.0288	0.0798	0.0336	0.0777
t80_84	0.0083	0.0229	0.0139	0.0142	0.0285	0.0800	0.0315	0.0837
t84_88	0.0080	0.0195	0.0146	0.0161	0.0293	0.0800	0.0299	0.0785
t88_92	0.0069	0.0214	0.0136	0.0149	0.0272	0.0781	0.0293	0.0815
t92_96	0.0073	0.0124	0.0131	0.0161	0.0275	0.0768	0.0287	0.0895
t96_100	0.0069	0.0116	0.0133	0.0158	0.0282	0.0744	0.0286	0.0785
t100_104	0.0073	0.0206	0.0109	0.0136	0.0282	0.0762	0.0291	0.0754
t104_108	0.0078	0.0121	0.0122	0.0132	0.0256	0.0740	0.0283	0.0761
t108_112	0.0063	0.0118	0.0113	0.0152	0.0256	0.0734	0.0272	0.0761
t112_116	0.0068	0.0117	0.0105	0.0137	0.0264	0.0762	0.0271	0.0769
t116_120	0.0074	0.0092	0.0108	0.0119	0.0239	0.0697	0.0267	0.0810
t120_124	0.0077	0.0113	0.0100	0.0111	0.0247	0.0766	0.0263	0.0789
t124_128	0.0073	0.0103	0.0086	0.0104	0.0241	0.0776	0.0256	0.0750
t128_132	0.0075	0.0103	0.0092	0.0089	0.0236	0.0759	0.0258	0.0740
t132_126	0.0076	0.0099	0.0086	0.0098	0.0248	0.0748	0.0255	0.0755
t136_140	0.0072	0.0109	0.0093	0.0101	0.0230	0.0696	0.0250	0.0704
t140_144	0.0071	0.0111	0.0090	0.0102	0.0227	0.0664	0.0253	0.0798
t144_148	0.0084	0.0107	0.0084	0.0094	0.0229	0.0641	0.0244	0.0768
Avg	0.0135	0.0190	0.0190	0.0190	0.0361	0.0824	0.0433	0.0847

Table 23: AAE error for 3D flow estimated by RAFT-3D and CPD for dataset 3 with $\Delta = 4$

	AAE							
	RAFT-3D				CPD			
Seq.	cam1	cam2	cam3	cam4	cam1	cam2	cam3	cam4
t0_4	0.7661	1.0073	0.7565	0.9137	**4.1084**	5.2029	3.9720	4.9716
t4_8	1.3880	1.2745	1.3633	1.2943	3.8197	5.1495	3.8748	5.4969
t8_12	2.1190	1.8581	2.3246	1.9434	3.7622	5.1013	3.9956	**5.5724**
t12_16	**2.4964**	**2.3875**	**2.9840**	**2.8140**	3.9166	**5.6585**	**4.1518**	5.5119
t16_20	2.0493	2.2108	2.2075	2.3650	3.1327	5.0735	3.0897	5.4604
t20_24	1.5446	1.5335	2.0046	2.0443	2.1985	4.7601	3.0446	4.4170
t24_28	0.8745	1.2027	1.4397	1.0948	2.0000	4.3678	2.7242	4.3416
t28_32	1.1596	0.9478	1.6285	1.2537	1.9503	3.9272	2.7803	3.8673
t32_36	0.8431	0.8353	1.4490	1.5377	1.9314	3.8121	2.6395	4.0019
t36_40	0.6547	0.8187	1.0923	1.0009	1.8473	4.0556	2.9800	4.0224
t40_44	0.5835	0.6886	0.9136	0.9814	1.8996	4.1865	2.6264	4.1195
t44_48	0.5615	1.1762	0.7902	0.8095	1.7642	4.3572	2.6721	4.3707
t48_52	0.4654	1.0851	0.8122	0.7095	1.7038	4.2844	2.4900	4.0694
t52_56	0.4710	1.0714	0.7334	0.7116	1.7436	4.4259	2.4522	4.3244
t56_60	0.4648	1.1652	0.9702	0.8516	1.6783	4.3299	2.2870	4.0883
t60_64	0.4432	0.7502	0.8396	0.7320	1.5036	4.2567	2.0808	4.0547
t64_68	0.4827	0.7090	0.7999	0.7103	1.6336	4.1086	1.9043	4.0938
t68_72	0.4353	1.0069	0.8612	0.7307	1.6281	4.1217	1.8520	4.2000
t72_76	0.4507	0.6810	0.7831	0.7215	1.5497	4.2780	1.7216	3.9971
t76_80	0.4005	1.0199	0.6924	0.7633	1.4820	4.0797	1.7269	3.8454
t80_84	0.4111	1.1342	0.7065	0.7281	1.4627	4.0517	1.6240	4.0374
t84_88	0.4143	0.9928	0.7485	0.7748	1.5172	4.1316	1.5443	3.8816
t88_92	0.3571	1.0607	0.7093	0.7574	1.3979	4.0209	1.5153	3.9585
t92_96	0.3786	0.6058	0.6606	0.7850	1.4374	3.9596	1.4693	4.4382
t96_100	0.3615	0.5793	0.6965	0.7556	1.4785	3.7747	1.4930	3.9232
t100_104	0.3745	1.0180	0.5564	0.6890	1.4789	3.9796	1.5269	3.7727
t104_108	0.3978	0.6004	0.6144	0.6550	1.3261	3.8868	1.4708	3.8154
t108_112	0.3186	0.5802	0.5574	0.7575	1.3269	3.8536	1.4120	3.8314
t112_116	0.3449	0.5704	0.5293	0.6879	1.3776	3.9467	1.4014	3.8737
t116_120	0.3693	0.4368	0.5496	0.6139	1.2398	3.6757	1.3855	3.9346
t120_124	0.3945	0.5255	0.5097	0.5755	1.2820	4.0256	1.3738	3.7758
t124_128	0.3560	0.4883	0.4387	0.5545	1.2646	4.0464	1.3269	3.7377
t128_132	0.3653	0.4782	0.4694	0.4793	1.2250	3.9408	1.3415	3.6753
t132_126	0.3635	0.4588	0.4331	0.5382	1.3043	3.8974	1.3300	3.7904
t136_140	0.3501	0.4841	0.4649	0.5483	1.1997	3.6914	1.2986	3.4466
t140_144	0.3320	0.5099	0.4552	0.5454	1.1786	3.5163	1.3170	3.8076
t144_148	0.4108	0.4799	0.4236	0.5050	1.2020	3.4033	1.2763	3.6854
Avg	0.6744	0.9306	0.9306	0.9441	1.8366	4.1984	2.1398	4.1679

Table 24: Number of flow vectors for dataset 3 with $\Delta = 4$

Number of flow vectors				
Seq.	cam1	cam2	cam3	cam4
t0_4	126	104	141	94
t4_8	97	80	119	80
t8_12	84	60	98	62
t12_16	90	58	94	62
t16_20	86	54	91	55
t20_24	98	78	104	77
t24_28	105	91	102	85
t28_32	101	85	111	92
t32_36	107	94	114	92
t36_40	110	90	106	94
t40_44	103	94	111	91
t44_48	108	88	105	93
t48_52	102	86	103	92
t52_56	99	85	102	90
t56_60	102	94	101	88
t60_64	96	88	101	92
t64_68	95	84	97	90
t68_72	96	92	95	92
t72_76	93	91	90	90
t76_80	96	89	98	95
t80_84	102	85	96	89
t84_88	99	78	100	97
t88_92	93	84	95	88
t92_96	93	84	92	85
t96_100	89	83	89	81
t100_104	88	82	96	87
t104_108	88	81	92	87
t108_112	100	82	90	79
t112_116	94	78	91	80
t116_120	90	79	91	84
t120_124	94	73	92	79
t124_128	90	76	84	88
t128_132	86	72	86	81
t132_126	86	82	91	84
t136_140	86	73	94	82
t140_144	89	77	91	80
t144_148	85	76	87	84