

Supplementary Experimental Results

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Figure 1: Reference image of the BATHROOM scene.

Table 1: Computation time (sec) per iteration for each pass for the BATHROOM scene.

	BPT	BPT+HRR	PCBPT	PCBPT+HRR	VCM	VCM+HRR	PCVCM	PCVCM+HRR
Light-subpath tracing	0.088	0.077	0.029	0.033	0.073	0.081	0.033	0.033
BVH construction	-	0.011	-	0.010	0.011	0.012	0.009	0.009
Importance records	-	-	0.008	0.008	-	-	0.008	0.007
Eye-subpath tracing	0.162	0.291	0.311	0.453	0.204	0.301	0.343	0.470
Total	0.250	0.379	0.347	0.503	0.288	0.394	0.393	0.519

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Figure 2: Reference image of the WASHROOM scene.

Table 2: Computation time (sec) per iteration for each pass for the WASHROOM scene.

	BPT	BPT+HRR	PCBPT	PCBPT+HRR	VCM	VCM+HRR	PCVCM	PCVCM+HRR
Light-subpath tracing	0.076	0.071	0.038	0.059	0.073	0.070	0.060	0.061
BVH construction	-	0.043	-	0.043	0.044	0.044	0.044	0.044
Importance records	-	-	0.010	0.010	-	-	0.010	0.010
Eye-subpath tracing	0.173	0.312	0.290	0.435	0.232	0.360	0.359	0.482
Total	0.248	0.426	0.338	0.546	0.350	0.475	0.473	0.597



Figure 3: Reference image of the KITCHEN scene.

Table 3: Computation time (sec) per iteration for each pass for the KITCHEN scene.

	BPT	BPT+HRR	PCBPT	PCBPT+HRR	VCM	VCM+HRR	PCVCM	PCVCM+HRR
Light-subpath tracing	0.052	0.053	0.022	0.027	0.050	0.054	0.026	0.027
BVH construction	-	0.009	-	0.008	0.009	0.010	0.008	0.008
Importance records	-	-	0.006	0.006	-	-	0.006	0.006
Eye-subpath tracing	0.120	0.255	0.236	0.385	0.147	0.271	0.255	0.401
Total	0.172	0.317	0.264	0.425	0.206	0.335	0.294	0.442

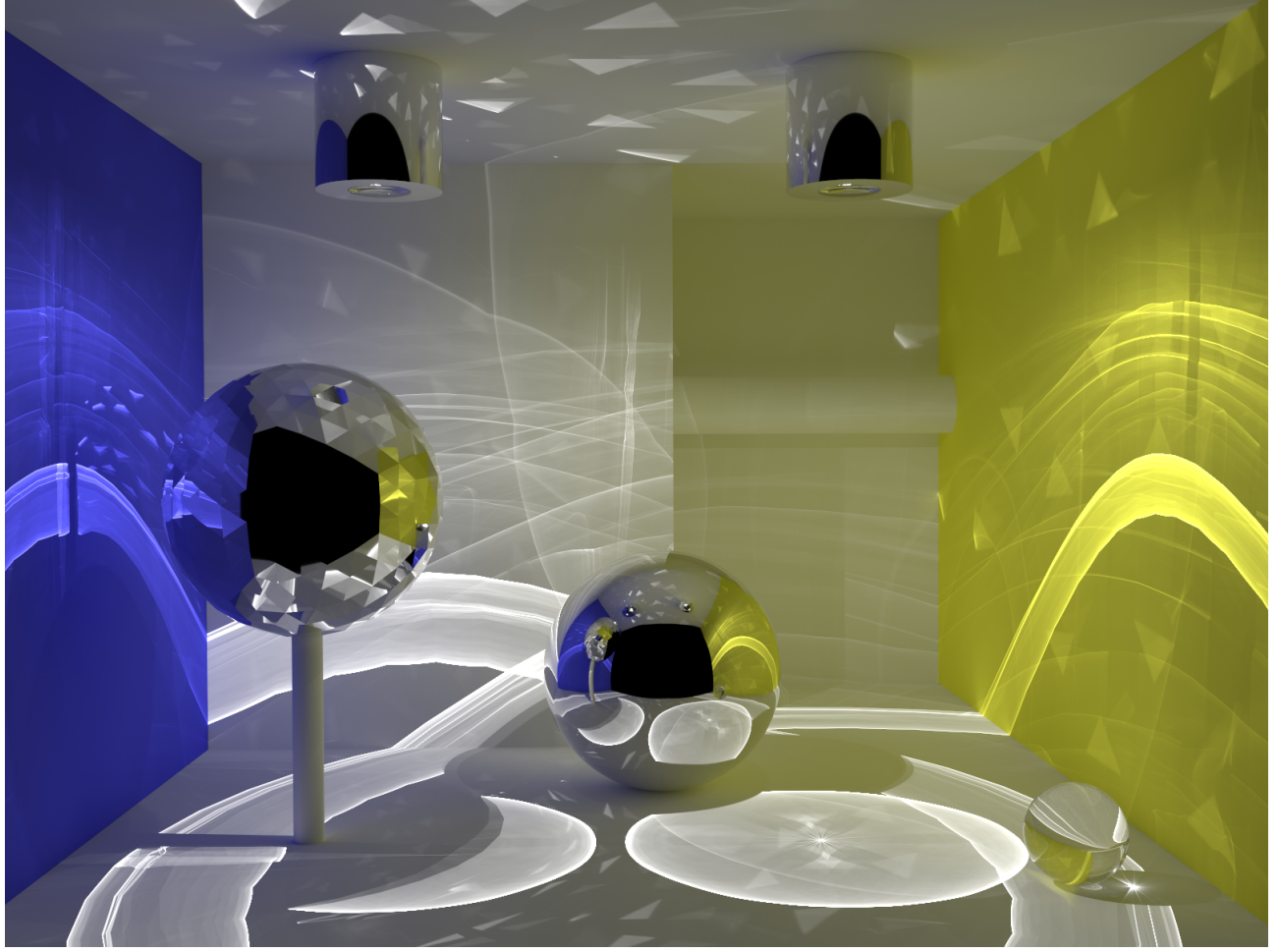


Figure 4: Reference image of the Box scene.

Table 4: Computation time (sec) per iteration for each pass for the BOX scene .

	BPT	BPT+HRR	PCBPT	PCBPT+HRR	VCM	VCM+HRR	PCVCM	PCVCM+HRR
Light-subpath tracing	0.314	0.307	0.278	0.303	0.302	0.305	0.302	0.306
BVH construction	-	0.066	-	0.066	0.073	0.071	0.072	0.070
Importance records	-	-	0.016	0.014	-	-	0.014	0.014
Eye-subpath tracing	0.206	0.285	0.383	0.473	0.330	0.395	0.538	0.616
Total	0.519	0.658	0.676	0.855	0.706	0.771	0.927	1.006