

Figure 2: In this example, the camera is being rotated rapidly to the right. The right image uses predictive sampling while the left image does not. The images are being cleared to black between frames to clearly show where data is missing. Without predictive sampling, the extreme right of the image never updates while the camera is turning, due to the latency involved in rendering new samples.

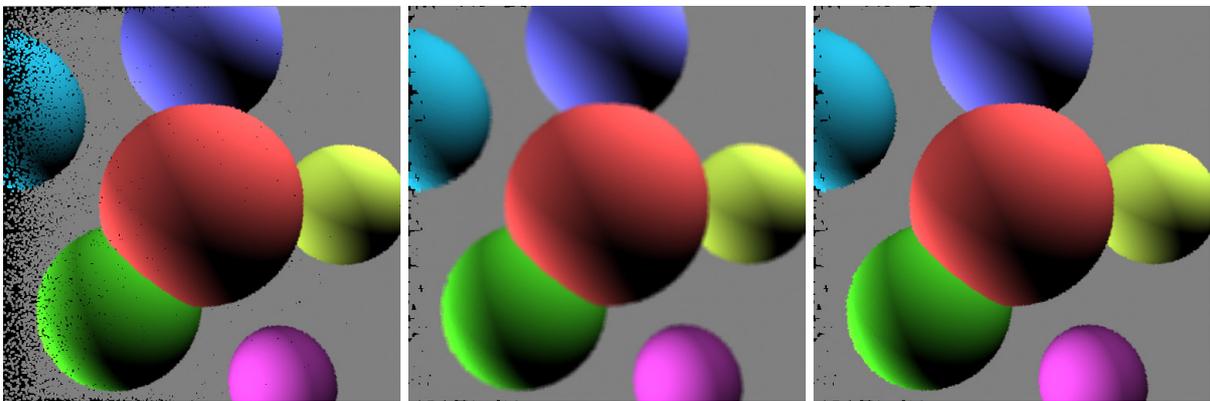


Figure 4: These images were generated using only the 3x3 filter (left), only the 7x7 prefilter (center) and both filters (right). We artificially lowered the point density on the left side of each image and cleared the image to black between frames to show where data is missing. The 3x3 filter alone has trouble filling in the larger gaps in the points, while the 7x7 filter produces objectionable blurring in the dense regions. Using both filters allows us to fill in larger gaps while preserving sharpness in the dense regions.