

Exercise 10

Exercise 10.1 Pre- and Post-Classification

1.

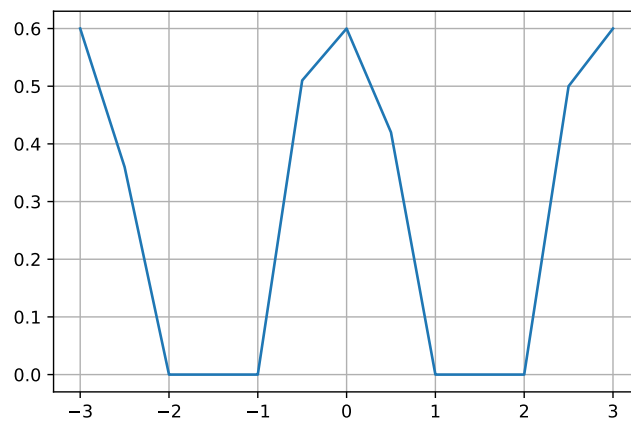


Figure 1: alpha values of pre-classification

2.

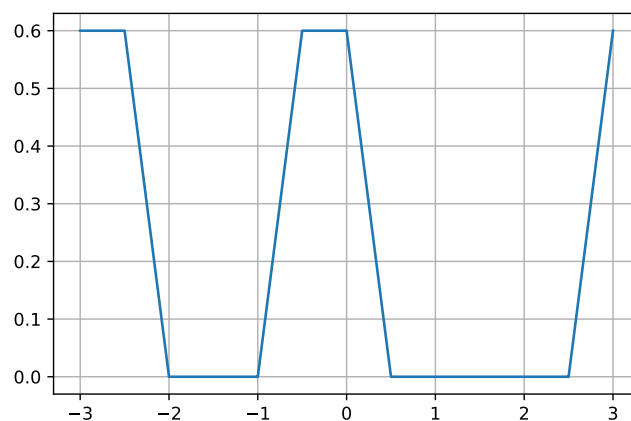


Figure 2: alpha values of post-classification

3. The appropriate classification depends on the task. Figure 1 and 2 shows, that pre classification results in values between 0.6 and 0, whereas post-classification results in either 0.6 or 0. Depending on the application, pre classification produces a smoother image than post classification. The perfect solution would be the right alpha value at every point on the continuous signal.

Exercise 10.2 Composition Schemes in Direct Volume Rendering



Figure 3: Accumulation

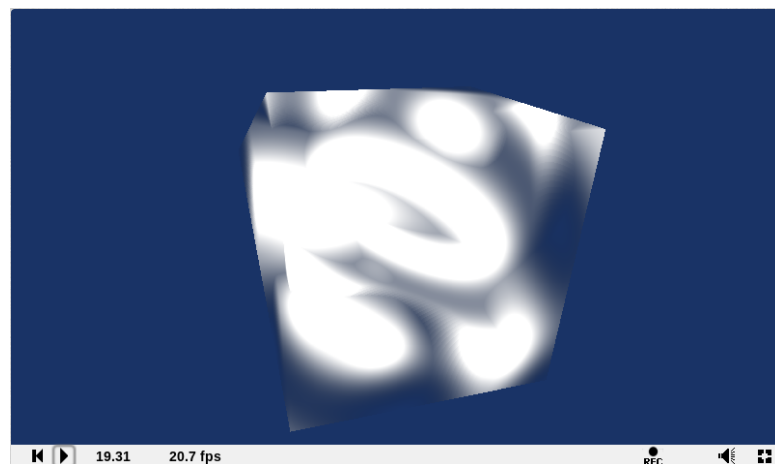


Figure 4: Max. intensity projection

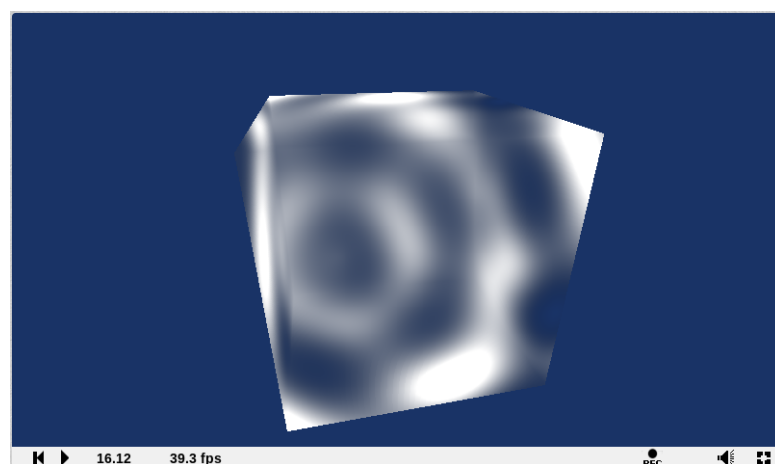


Figure 5: Average intensity