



Visualization Chapter 16

Evaluating Visualization Activities

You have completed many visualization exercises throughout this book. Were some of them easier than others? When you had the opportunity to discuss the exercises with your classmates, did you notice differences in how you visualized? Do you think some people are just better at visualizing than others? Think about how you learned to read, write, and solve math problems. Did you always know how to do these things? No, you were taught, both formally and informally. You learned those skills in the classroom, by observation, and through games.

Research has shown that not everyone goes to college with well-developed visualization abilities. What do you think can be done to help improve those skills before college? Do you sketch or draw regularly? Did you play with building blocks or other toys that required assembly when you were younger? Do you play 3D interactive video games? All of these activities could have an influence on your ability to visualize.

Exercise 1

Think back on the various visualization exercises you have completed so far. List which two were the easiest, which two were the most difficult, and the reasons why.



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Exercise 2

Describe the activities you have completed, both in and out of class, that have helped improve your ability to visualize. Discuss the benefits of these activities and why you believe they have helped improve your ability to visualize.

Exercise 3

Create an activity that will help improve the visualization abilities of someone who is currently having problems visualizing a 3D object in multiple views or orientations in space. Describe why this activity will help improve spatial skills.
