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DWD420

Chapter 6 review questions

1. Improvement in the uniformity of the magnetic film surface to increase disk reliability. A significant reduction in overall surface defects to help reduce read-write errors. Ability to support lower fly heights. Better stiffness to reduce disk dynamics. Greater ability to withstand shock and damage.
2. The write mechanism exploits the fact that electricity flowing through a coil produces a magnetic field. Electric pulses are sent to the write head, with different patterns for positive and negative currents. The write head itself is made of easily magnetizable material and is in the shape of rectangular doughnut with a gap along one side and a few turns on conducting wire along the opposite side.