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Scanning tunneling microscope images (25 angstroms by 25 angstroms) of iodine atoms adsorbed on a platinum(III) substrate. Four structural geometries of the adsorbed iodine are presented (top to bottom), each displayed in three color schemes (left to right). The structures provide information about the iodine—platinum bonding forces. See page 1050. [B. C. Scharf et al., Department of Chemistry, Purdue University, West Lafayette, IN 47907; color images photographed directly from the computer screen of a Nanoscope II tunneling microscope manufactured by Digital Instruments, Santa Barbara, CA]