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METHOD AND APPARATUS FOR ROTARY ACTUATOR ARC COMPENSATION CORRECTION IN A DIRECT ACCESS STORAGE DEVICE

Abstract of the Disclosure

Rotary actuator arc compensation correction method and apparatus are provided for a direct access storage device (DASD). A reference feedforward correction signal (64) is generated at each of a plurality of sectors around a predetermined track on a disk surface. A specific selected track is identified, and both magnitude and phase of the generated reference feedforward correction signal are modified to correct for the arced trajectory caused by the rotary actuator (58) at the specific selected track. Improved actuator servo control is provided by using pseudo sector compensation to interpolate the feedforward correction signal between servo sectors.

(Fig. 3)