

ABSTRACT**CALIBRATION OF PES CURVES IN DISK DRIVES**

A method of deriving inputs for determination of a PES calibration curve for a disk drive assembly (10) having spaced read (21) and write (20) heads on a transducer unit (16) moveable across the tracks of a data storage disk (12), including:

rotating the disk (12);

servo aligning the read head (21) with respect to a set of servo data bursts on a servo sector of the disk (12), to determine a track on the disk for the transducer unit;

servo-writing one or more pseudo servo bursts (A',B',C') onto a clear area of a data sector of the disk (12) as the transducer unit (16) follows the track;

with the transducer unit (16) set on the track, utilising the read head (21) to read and obtain a read response value from the pseudo servo bursts.

The steps are repeated for other tracks and other pairs of servo and data sectors on the disk (12). The resultant read response values are stored or outputted with associated positional data for the transducer unit, such associated read response values and positional data being useful as inputs for determination of a PES calibration curve for the disk drive assembly.