Accommodation study via a sensorless measurement technique

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Abstract— We present the results of an experimental analysis aimed at further characterizing the accommodation phenomenon. The measurements are done on commercial ferrite cores by the use of a volt-amperometric measurement technique. Accommodation of minor cycles positioned along the major ascending (descending) branch as well as of minor loops defined through more complex trajectories is considered. A description of the measurement results is reported and obtained data are discussed.

Index Terms— Accommodation; Experimental analysis; Magnetic hysteresis

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