

Preliminary Results of the KEKB Quadrupole Magnet Measurements, M. MASUZAWA, KEK - The quadrupole magnets for the KEK B-factory are being measured using two harmonic coil systems at KEK. An accelerator control system called EPICS is used as the data acquisition software. Of about 900 quadrupole magnets, two-thirds are newly fabricated and one-third are recycled TRISTAN magnets. Accurate measurements have been performed in parallel with production and rapid feedback has been given to the production line when a magnet fails to satisfy the specifications. The measurement results are stored in a database for use during accelerator operation. A unique problem regarding the recycled TRISTAN magnets was found and will be shown along with other new quadrupole magnet results.