APPLICATION OF OPERATIONAL DIGITAL TECHNIQUES
TO INDUSTRIAL CONTROL
(Abstract)

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In many industrial applications, the instrumentation of control functions with operational-digital components rather than conventional analog or programmed digital types evidences advantages. New techniques have been developed and previously published techniques extended so that now a family of converters, packaged magnetic multipliers, dividers, and function generators are available.

Two examples are presented. First the instrumentation of a digital second-order rate-control mechanism is discussed. Also, measurement techniques and control instrumentation as specifically applied to a cement-making installation to survey and control its manufacturing processes are considered.