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Nota di contenuto	Foreword -- Preface -- Acknowledgments -- 1. Pattern recognition and the MT system -- 1.1 Overview of pattern recognition and the fields of application -- 1.2 Standard execution procedure for pattern recognition -- 1.3 Fields with substantial experience in the use of MT system applications -- 2. Merits of the MT system and its computation methods -- 2.1 Characteristics shared by all MT system components -- 2.2 Features of the MT method -- 2.3 Features of the T method -- 2.4 The MT system computation formulas -- 3. Data handled by the MT system and feature extraction -- 3.1 Use of measured values in an unmodified form -- 3.2 Performing feature extraction -- 3.3 Feature extraction technique from character pattern -- 3.4 Feature extraction technique from waveform pattern -- 3.5 Differences between other waveform features and variation values/abundance values -- 4. MT method application procedure and important points to heed -- 4.1 Example of character recognition -- 4.2 Example of weather prediction -- 5. T method application procedures and key points -- 5.1 Yield

prediction for manufacturing-production using T method-1 -- 5.2
Character pattern recognition using the RT method --
6. Examples of actual applications -- 6.1 Blade wear monitoring via
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of a clutch disk -- 6.3 Monitoring of machine conditions (MT method)
-- 6.4 Application to medical diagnosis (MT method) -- 6.5 Strength
estimation based on raw material mixing (T method-1) -- 6.6. Real
estate price prediction by T method-1 --
Appendices -- A. Differences between the MT system and artificial
intelligence -- B. Difference between the MT system and traditional
statistical theory -- C. Supplementary considerations concerning
mathematical formulas -- D. Strategy to use when data incorporates
unmeasured values -- E. Fusion with artificial intelligence and other
resources -- F. Mahalanobis distance computation using Microsoft
Excel -- G. Paley's construct for generation of Hadamard matrices --
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Bibliography (in Japanese) -- References -- Glossary: definition of
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Sommario/riassunto

The MT system is a diagnostic and predictive method for analyzing
patterns in multivariate data that has provided benefits in many diverse
applications over the past decade or so. It has proven itself superior in
many cases to more traditional artificial intelligence applications such
as neural nets.
