

Dedicated to the 35th anniversary of the University of Baia Mare

Rational Algorithm of Recognition

by

Petru Avram PETRIȘOR

1. INTRODUCTION. Information is an objective property of the material processes and the notion of information is often identified with the notion of quantity of information although within the limites of a formal model the quantity of information could be mathematically defined as Shannon ([10]), did it 1948 by using the notion of entropy. This way of studying the quantity of information is unsubstantial because it doesn't show us the important informational characteristics of the studied phenomenon, that is those properties of the physical world that are opposed to a certain extent to the energetical or mass characteristics.