

Editorial

The present edition of Computación y Sistemas includes six articles related basically in two items: Qualitative Reasoning and Robotics.

Llanos, Cuberos, et al, present an analysis of three methods that compare sequences which represent the behavior for a system that evolves with the time, and that is searching to recognize Behavior Patterns (similarities) in that sequences. The principal reason for this work is to review complex systems using reasoning mechanisms based in a previously extracting knowledge.

Ruiz, Angulo, et al. present the algorithm designed for learning systems with the presence of information with different precision levels, using qualitative reasoning. The authors propose the use of a Nucleo Function that acts among the data that belong to a qualitative space of absolute magnitude orders and they take up a finance application which are used for credit risk predictions.

Morales Villanueva and García Hernández, present a work related with mobile computation. In this case, it is proposed an efficient scheme of management of localization mobile nodes in a mobile IP systems. This scheme is based in an optimization model that uses cells groups to minimize the traffic for actualization.

Aguilar, Bonilla and Chavoya, present a control work. In this case, the proposition is a linear control law for a robotic manipulator with two degrees of freedom, and its objective is stabilize it and try to coincide its behaviour with a linear model.

Zemliak, Ríos y Zemliak, present another control work. The proposition is to formulate the design process of analogical circuits using the control theory as basis. This process gives different design strategies and it plans the use of an optimal control theory to determine among them the most efficient strategy, talking about computation.

Finally, it is presented the Ph. D Thesis by Hermilio Sánchez Cruz, who proposes a similitude of measure to bidimensional objects. The principal aspect in this work is to optimize an original proposed method by the thesis director (Ernesto Bribiesca Correa), trying to minimize the transformation energy. The method its applied to objects from the real world, such as cars and Mexican volcanoes.

It is expected to be interest for the researchers and students in that involved areas, the artocles above mentioned.

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