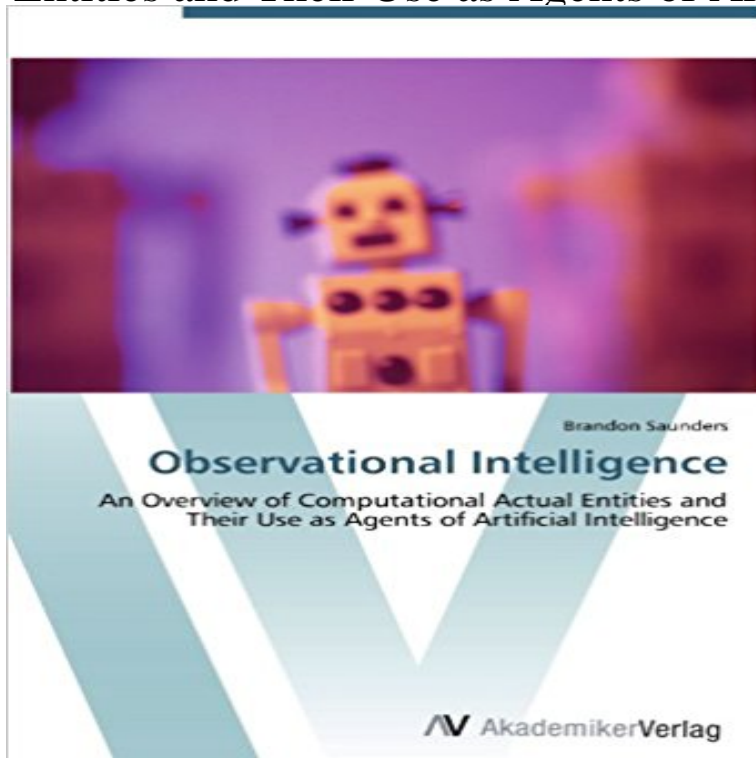


Observational Intelligence: An Overview of Computational Actual Entities and Their Use as Agents of Artificial Intelligence



Revision with unchanged content. Models that can represent the range of objects from sub-atomic particles to planets have a major obstacle preventing them from practical use. If they can act with such diversity they may also require a very complex set of functions to describe their behavior. In Process and Reality, Alfred North Whitehead proposes a philosophical model he terms Actual Entities which this study brings over to the realm of computer science. By doing so, a method for computationally modeling objects at all levels may be found. This book focuses on providing the reader with an overview of Actual Entities and lays the groundwork for their use in computation. A method for extracting the functionally computable behavior of real world objects is then addressed. This method uses Artificial Neural Networks as learning agents which observe a series of behavioral snapshots and then infer the rules behind these interactions. This book is intended for those interested in the theories of A. N. Whitehead and particularly the practical applications thereof. It is also intended for computer scientists interested in models for objects that possess interactions that are too complex to formulate by hand.

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Brandon Scot Saunders Jan 2007 **Browsing VCU ETD Archive by Subject artificial intelligence Actual Entities - VCU Scholars Compass** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Computer Sciences - Digital Commons Network** Bookcover of Observational Learning of Conditioned Reinforcement. Omni badge Omni badge Observational Intelligence. An Overview of Computational Actual Entities and Their Use as Agents of Artificial Intelligence. Informatics, IT. **Observational Intelligence: An Overview of Computational Actual** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Search results for Observational Learning - MoreBooks!** Models that can represent the range of objects from sub-atomic particles to planets have a major obstacle preventing them from practical use. If they can act with such diversity they may also require a very complex set of functions to describe their behavior. This book focuses on **Browsing VCU ETD Archive by Subject observational intelligence** Observational Intelligence: An Overview of Computational Actual Entities and Their Use as Agents of Artificial Intelligence by Brandon Saunders : Language **Browsing VCU ETD Archive by Title - VCU Digital Archives** Observational Intelligence: An Overview of Computational Actual Entities and Their Use as Agents of Artificial Intelligence by Brandon Saunders : Language - Bookcover of Projective and Chronometric Correlates of Intelligence. Omni badge Projective and Bookcover of Observational Intelligence. Omni badge Observational Intelligence. An Overview of Computational Actual Entities and Their Use as Agents of Artificial Intelligence. Informatics, IT AV Akademikerverlag **Search results for Observational - MoreBooks!** Actual Entities are vector based agents that interact within their environment through a process Actual Entities and their Use as Agents of Artificial Intelligence **Observational Intelligence: An Overview of Computational Actual** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Computer Sciences - Digital Commons Network** Title: Observational Intelligence: An Overview of Computational Actual Entities and their Use as Agents of Artificial Intelligence Author: Saunders, Brandon Scot **Computer Sciences - Digital Commons Network** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Observational Intelligence: An Overview of Computational Actual** Bookcover of Observational Learning of Conditioned Reinforcement. Omni badge Omni badge Observational Intelligence. An Overview of Computational Actual Entities and Their Use as Agents of Artificial Intelligence. Informatics, IT. **Observational Intelligence: An Overview of Computational Actual** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Colony of Prehending Entities - Digital Commons Network** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Search results for Military Intelligence - MoreBooks!** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007 **Computer Sciences - Digital Commons Network** Observational Intelligence: An Overview Of Computational Actual Entities And Their Use As Agents Of Artificial Intelligence, Brandon Scot Saunders Jan 2007

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