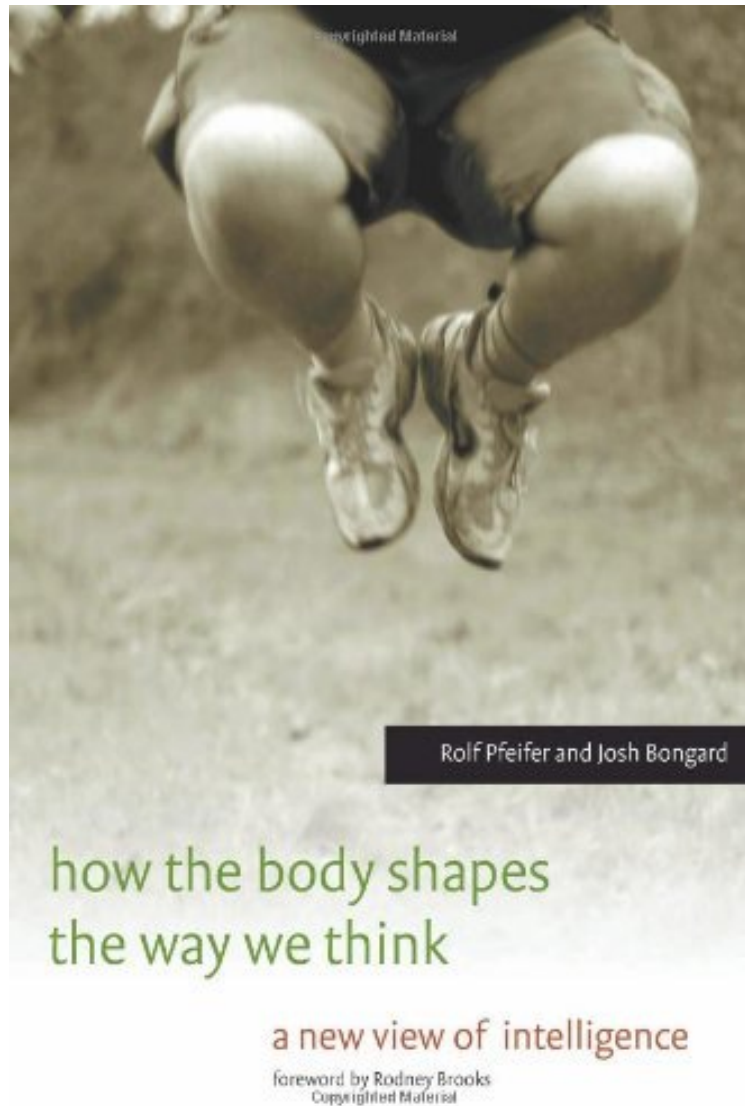


[Download pdf ebook] How the Body Shapes the Way We Think: A New View of Intelligence (MIT Press) (English Edition)

How the Body Shapes the Way We Think: A New View of Intelligence (MIT Press) (English Edition)

Von Rolf Pfeifer, Josh Bongard

*Download PDF | ePub | DOC | audiobook | ebooks



DOWNLOAD



READ ONLINE

Produktinformation -Verkaufsrang: #361832 in eBooksVerffentlicht am: 2006-10-27Erscheinungsdatum: 2006-10-27File Name: B004GCK7PG | File size: 53.Mb

Von Rolf Pfeifer, Josh Bongard : How the Body Shapes the Way We Think: A New View of Intelligence (MIT Press) (English Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised How the Body Shapes the Way We Think: A New View of Intelligence (MIT Press) (English Edition):

KundenrezensionenHilfreichste Kundenrezensionen6 von 6 Kunden fanden die folgende Rezension hilfreich. A

pleasure to read! Von Robert An extremely well written text accompanied by powerful graphics supporting the ideas presented, make this book a pleasure to read! The reader is introduced step by step to embodied artificial intelligence following a clear line of reasoning. The ideas developed are always set in context to classical artificial intelligence, which is of great help in judging the authors argument. Many illustrated examples are very helpful in understanding the text and a comprehensive list of references guides the reader further into the field. This book and "Understanding Intelligence" by Rolf Pfeifer share the same idea, but one still may benefit from reading both! 10 von 12 Kunden fanden die folgende Rezension hilfreich. A balanced introduction to embodied AI with some flaws Von Customer Generally, this book is a good layman's introduction into embodied AI. However, there are some flaws: Embodied AI has actually been around for a long time, so most of the conclusions, advantages and disadvantages are already known to an expert - but still nice to hear and compare with one's own experience, and of course new to non-experts. There were some new ideas which were quite refreshing. But still, one cannot fail to get the impression that the authors have done the easy parts of this new approach to AI, and expect others to do the hard parts, which may or may not be infeasible. That is normally not a good sign for an upcoming research field, and contradicts their conclusion that we may make more progress in this direction. Only time will tell this, but for now I would bet against it. Also, two authors and using I makes for cumbersome constructs such as I (Josh) vs. I (Rolf), which could easily have been avoided. A good layman's introduction to new AI, although some chapters seem very contrived (e.g. applying new AI to business models) 1 von 1 Kunden fanden die folgende Rezension hilfreich. An eye opening read I can highly recommend Von Thomas von Salis Upon having read "How the Body Shapes the Way We Think: A new view on intelligence" by Prof. Rolf Pfeifer and Josh Bongard I had to sit down and sort many of my previous beliefs in a new way. Intelligence is not what it seems, and most interestingly, it is possible to build it. Prof. Pfeifer et al. achieve to teach the reader how robots could be build showing interesting behavior I would have previously thought would not be technically possible. I can highly recommend this book. The book is suited for people without any technical background in AI or robotics. Excellent and eye opening read!

Kurzbeschreibung How could the body influence our thinking when it seems obvious that the brain controls the body? In *How the Body Shapes the Way We Think*, Rolf Pfeifer and Josh Bongard demonstrate that thought is not independent of the body but is tightly constrained, and at the same time enabled, by it. They argue that the kinds of thoughts we are capable of have their foundation in our embodiment -- in our morphology and the material properties of our bodies. This crucial notion of embodiment underlies fundamental changes in the field of artificial intelligence over the past two decades, and Pfeifer and Bongard use the basic methodology of artificial intelligence -- "understanding by building" -- to describe their insights. If we understand how to design and build intelligent systems, they reason, we will better understand intelligence in general. In accessible, nontechnical language, and using many examples, they introduce the basic concepts by building on recent developments in robotics, biology, neuroscience, and psychology to outline a possible theory of intelligence. They illustrate applications of such a theory in ubiquitous computing, business and management, and the psychology of human memory. Embodied intelligence, as described by Pfeifer and Bongard, has important implications for our understanding of both natural and artificial intelligence.