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problems from their solutions: The case of reasoning; Inferring solutions from adaptive problems: The case of reasoning; The pay-off; A dispute dissolved?; Conclusion; References; 4. Specialized behaviour without specialized modules; Introduction; Domain specificity in evolutionary psychology; Evolutionary psychology and cheater detection; Cheater detection-the empirical evidence; A connectionist perspective; Conclusion; References

5. From massive modularity to metarepresentation: The evolution of higher cognitionModularity arguments and deontic reasoning; Modularity arguments and probabilistic reasoning; Natural sampling; Metarepresentation; Conclusion; References; 6. Probability judgement from the inside and out; Base-rate neglect; Conjunction fallacy; Summary of studies; Types of probability judgement; More on the natural frequency hypothesis; Frames for probability judgement; Conclusion; References; 7. Evolutionary versus instrumental goals: How evolutionary psychology misconceives human rationality Debates about the normative response in heuristics and biases tasks: Some examplesDissociations between cognitive ability and the modal response in heuristics and biases tasks; Reconciling the two data patterns within a two-process view; Evolutionary rationality is not instrumental rationality; Where evolutionary psychology goes wrong; How evolutionary psychology goes wrong; The slippery notion of ecological rationality; The unacknowledged importance of the meme; Choosing the vehicle rather than the replicators: Evolutionary psychology without greedy reductionism; References; Author index Subject index

Sommario/riassunto

The field of evolutionary cognitive psychology has stimulated considerable interest and debate among cognitive psychologists and those working in related areas. In this collection, leading experts evaluate the status of this new field, providing a critical analysis of its most controversial hypotheses. These hypotheses have far reaching implications for cognition, including a modular view of the mind, which rejects, in its extreme form, any general learning or reasoning abilities. Some evolutionary psychologists have also proposed content-dependent accounts of conditional reasoning and probabi
