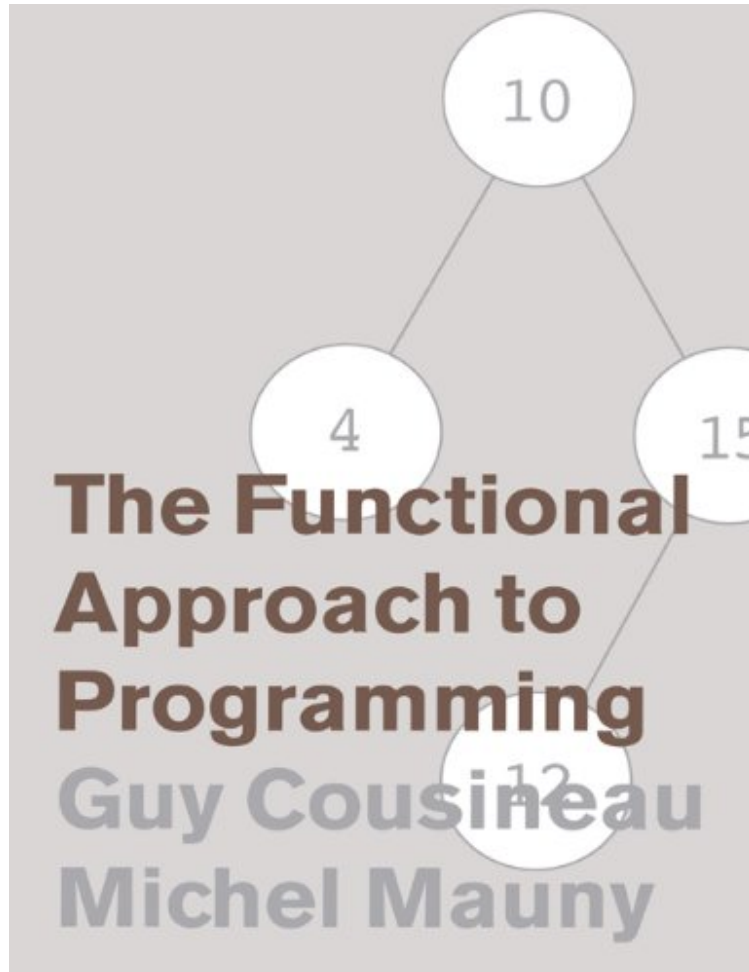


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The Functional Approach to Programming

Von Guy Cousineau, Michel Mauny
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Von Guy Cousineau, Michel Mauny : The Functional Approach to Programming before purchasing it in order to gage whether or not it would be worth my time, and all praised The Functional Approach to Programming:

KurzbeschreibungA programming course should concentrate as much as possible on a program's logical structure and design rather than simply show how to write code. The Functional Approach to Programming achieves this aim because logical concepts are evident and programs are transparent so can be written quickly and cleanly. In this book the authors emphasise the notions of function and function application which relate programming to familiar concepts from mathematics and logic. They introduce functional programming via examples but also explain what programs

compute and how to reason about them. They show how the ideas can be implemented in the Caml language, a dialect of the ML family, and give examples of how complex programs from a variety of areas (such as arithmetic, tree algorithms, graph algorithms, text parsing and geometry) can be developed in close agreement with their specifications. Many exercises and examples are included throughout the book; solutions are also available. Pressestimmen "...a valuable contribution to programming practice... Cousineau and Mauny convincingly demonstrate the elegance and conciseness of the functional approach." Computing sber das Produkt The authors introduce functional programming via examples and explain what programs compute and how to reason about them. They implement the ideas in Caml and in Standard ML, and give examples of how complex programs can be developed in close agreement with their specifications. Many exercises and examples are included throughout the book; solutions are also available.