

Part Four:

Advanced Maple

We start this last part by looking into the composite data structures of Maple. Then we discuss the ability to work with assumptions and investigate how simplifications are performed. Plotting is one of the main strengths of Maple, we will spend two lectures on plots, in two and three dimensions. The last three lectures in this part are devoted to solving polynomial, differential, and linear equations.

The titles of the eight lectures are

21. Sequence, Set, and List
22. Array, Table, Last name eval, Function Call, Conversions
23. The assume facility and Simplification
24. Two dimensional plots
25. Three dimensional plots
26. Solving Equations
27. Differential Equations
28. Linear Algebra