

MATHS TEXTBOOK: La matematica a colori 3 - Parabola

TOPIC:71 pages, content exercises 511

	PAPER PRESENTATION - TOPIC CONTENT/EXERCISES
Symbolisation	There are formulas with the proof of how to obtain the formula. However, these explanations are so difficult and complex to the students. In other formulas, there isn't an explanation. For example in obtaining the focus and directrix (pg 424).
Representations	A good point of the book is that there are a lot of graphics with different colors. This explains the main important points of concepts. The important concepts (theorems, definitions...) are underlined with colors, so this is useful to point the main information to the students. The structure (theorem, proof, examples...) are a good way to prepare the student for the formal mathematical language taught at the university level.
Deduction	There is a good mix between the natural language and the graph representation. This can be seen in the conceptual maps.
Modelling	There are some resolved exercises so this is a way to show how to start. In all the chapter there are more than 500 exercises, this is a lot but there is more variety because the teacher can choose more kinds of exercises. Next to the exercise, there is the solution, so the student can immediately check if the exercise is well done.
Algorithm	There are some examples with the algorithmic procedure but they only show a mechanical way to resolve the exercise without deep thinking.