

SUBJECT MATTER

The chapter 8 “Sequences and Series of functions” consists of two sections.

In the first section, we define and study the properties of the sequences of real functions. In particular:

- the convergence
- the uniform convergence
- the Cauchy criterion

In the second section, we define and study the properties of the series of real functions. In particular:

- the convergence
- the uniform convergence
- the Cauchy criterion
- the series of continuous functions
- the series of integrable functions
- the series of differentiable functions
- the absolutely convergent series
- the power series
- the *Taylor* series
- the *Fourier* series.