

## **Erratum in Chapter 1. Introduction**

No typo found so far!

## **Erratum in Chapter 2. Chebyshev Acceleration**

Erratum on Chebyshev Acceleration

## **Optimal Methods and Minimax Polynomials**

Hello! This is another test:

### **The Cauchy-Schwarz Inequality.**

This is the C-S inequality for two vectors  $a, b \in \mathbb{R}^n$ :

$$\left( \sum_{k=1}^n a_k b_k \right)^2 \leq \left( \sum_{k=1}^n a_k^2 \right) \left( \sum_{k=1}^n b_k^2 \right)$$

End of test

## **Erratum in Chapter 3. Nonlinear Acceleration**

No typo found so far!

## **Erratum in Chapter 4. Nesterov Acceleration**

No typo found so far!

## **Erratum in Chapter 5. Proximal Acceleration and Catalyst**

No typo found so far!

## **Erratum in Chapter 6. Restart Schemes**

No typo found so far!

## **Erratum in Appendix A. Useful Inequalities**

No typo found so far!

## **Erratum in Appendix B. Variations on Nesterov Acceleration**

No typo found so far!

## **Erratum in Appendix C. On Worst-case Analyses for First-order Methods**

No typo found so far!

## **Erratum in Acknowledgements**

No typo found so far!

## **Erratum in References**

No typo found so far!