

# Exercise 2

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- 1 Finite-difference approximation of the second derivative
- 2 Finite-difference approximation of the third and mixed derivatives
- 3 Steady temperature distribution of an aluminum bar
- 4 Compact finite difference schemes

#### References

- [1] *CFD Repository*,  
Available at: <https://github.com/GiuseppePisante/CFD.git>
- [2] *GitHub Copilot*,  
GitHub. Available at: <https://github.com/features/copilot>