

Project 0.1

UNIVERSITY OF CAMBRIDGE

PART II MATHEMATICAL TRIPOS

## **0.1 Root Finding in One Dimensions**

February 13, 2022

# 1 Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. [Xu, 2012]

## 2 References

[Xu, 2012] Xu, Z. (2012). Lecture 2.2 fixed-point iteration. <https://www3.nd.edu/~zxu2/acms40390F12/Lec-2.2.pdf>.

## 3 Appendix

### 3.1 Lorem ipsum dolor sit amet

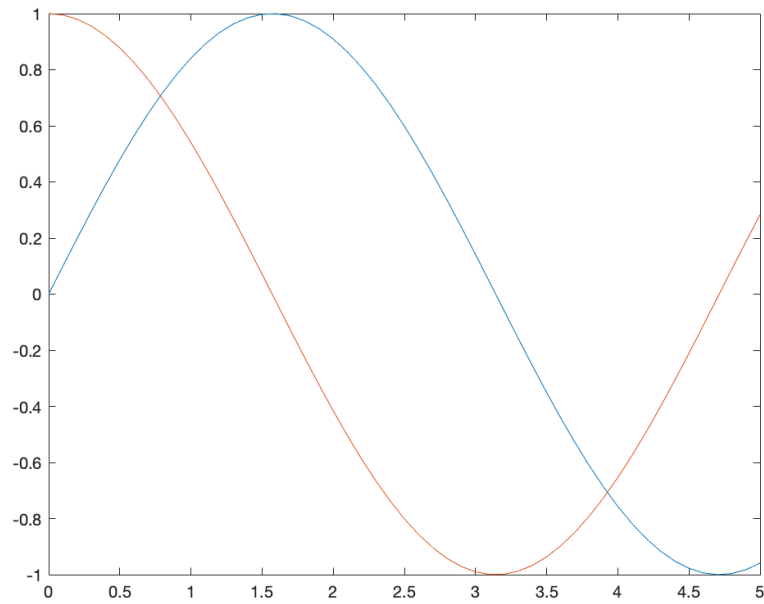


Figure 1: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                               %%
%%      Filename: code.m      %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

x = 0:pi/100:2*pi;
y = sin(x);
plot(x,y)
hold on
y2 = cos(x);
plot(x,y2,':')
legend('sin','cos')
hold off

%%      End of file code.m      %%
```