

MAT4170

Exercises for Spline Methods

August Femtehjell

Spring 2025

Contents

1	Bernstein polynomials	2
2	B-Splines	3

Abstract

This document contains my summary for the course MAT4170 – Spline Methods, taught at the University of Oslo in the spring of 2025, in preparation for the final oral exam. This summary is based on the [lecture notes](#) for the course, draft dated 25th of March, 2025. The code for everything, as well as this document, can be found at my GitHub repository: <https://github.com/augustfe/MAT4170>.

1 Bernstein polynomials

2 B-Splines