

# Lorum ipsum

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## Abstract

These are notes for Nesterov Type Acceleration Methods, in the convex case.

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## 1 Preliminaries

In this section we list foundational results that are important for proofs in coming sections.

### 1.1 Lipschitz Smoothness

### 1.2 Proximal Descent Inequality

## 2 The Proximal Point Method in the Convex Case

## 3 Application of the Proximal Point Method

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