



UiO : **Department of Informatics**  
University of Oslo

## **Mandatory exercise 1**

Angular spectrum approach and array pattern

**Thomas Aussaguès**

**February 11, 2022**

# Table of contents

## **1 Angular Spectrum Approach**

- Unfocused
- Focused

## **2 Array pattern**

- Gating lobes
- Element weighting and element spacing
- Thinning
- Element directivity



**Thomas Aussaguès**



**Mandatory exercise 1**

Angular spectrum approach and array pattern

