

MEK4350, fall 2014

Comments and corrections to LINEAR WAVE THEORY Part B

**Exercise 3.1:** Find the missing square root and subscript “ $m0$ ”!

**Exercise 3.3 (first version):** Same as 3.4 discussed below.

**Exercise 3.4:** Show that with the written directional function  $\sin^2 \theta$  for  $0 \leq \theta \leq 2\pi$ , the analysis does not work! Can you explain why?

For a more interesting result try  $\cos^2 \frac{\theta}{2}$  or  $\sin^2 \frac{\theta}{2}$ .