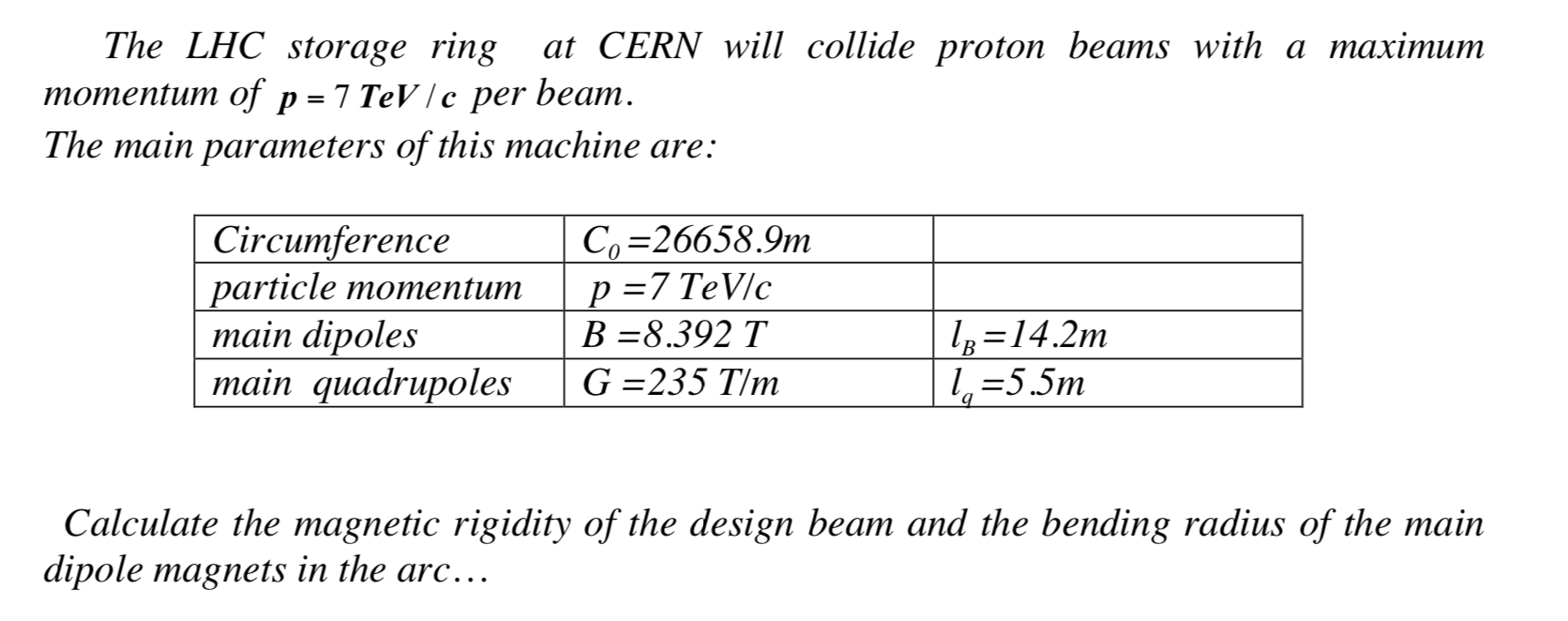
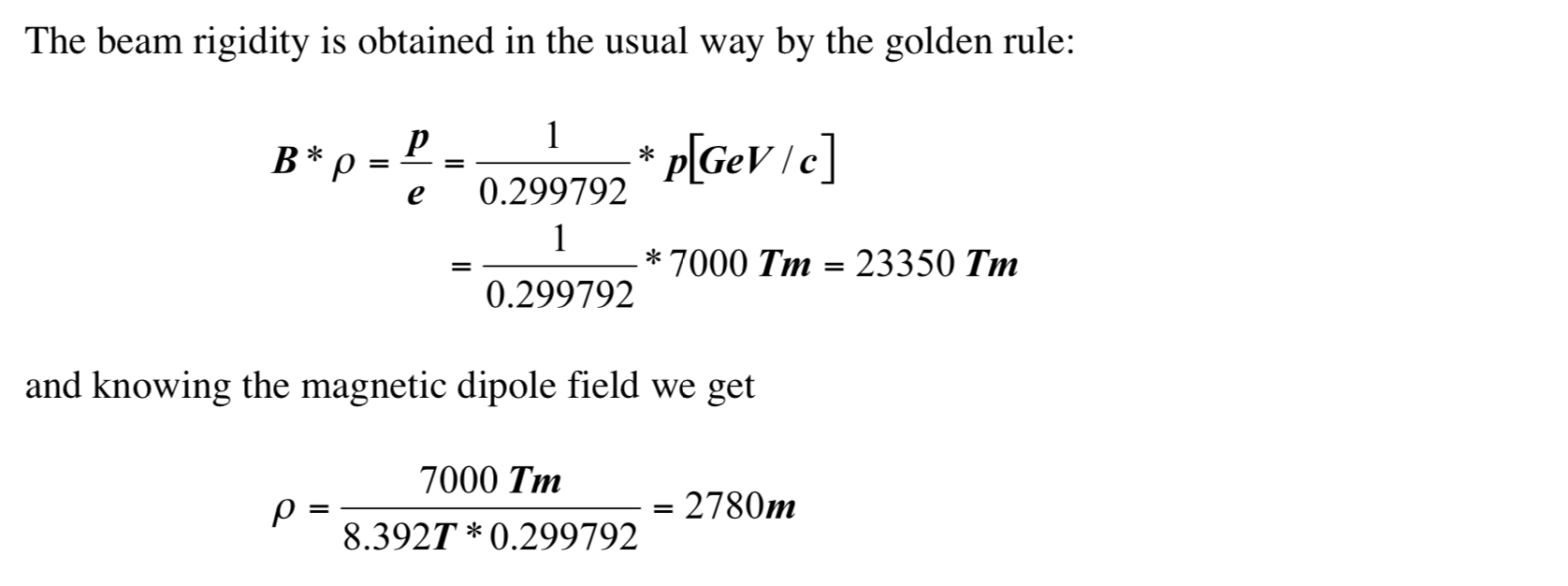
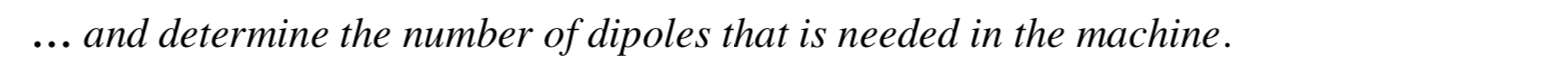
# Introduction to Particle Accelerators

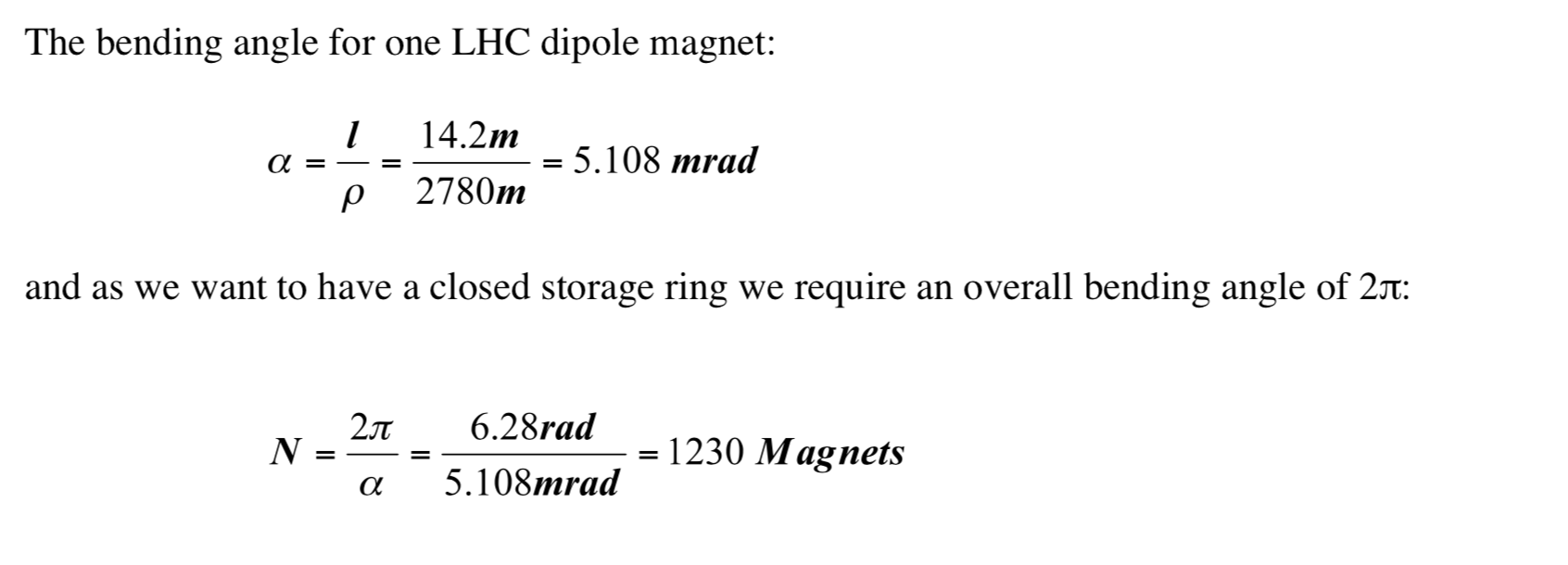
# TUTORIAL 2 QUESTIONS AND SOLUTIONS

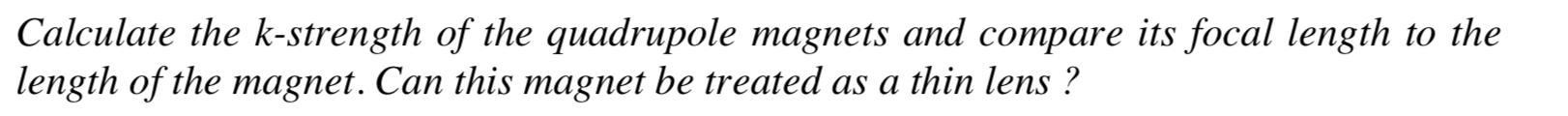
## **1 LHC: particle momentum, geometry of a storage ring and thin lens calculation**



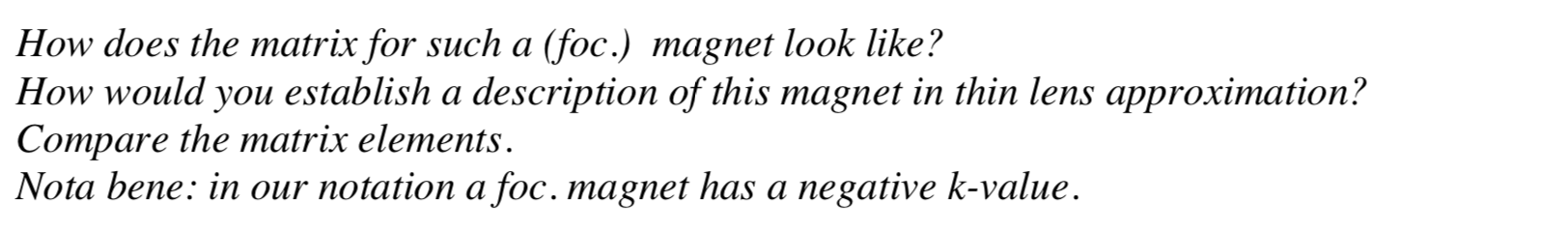


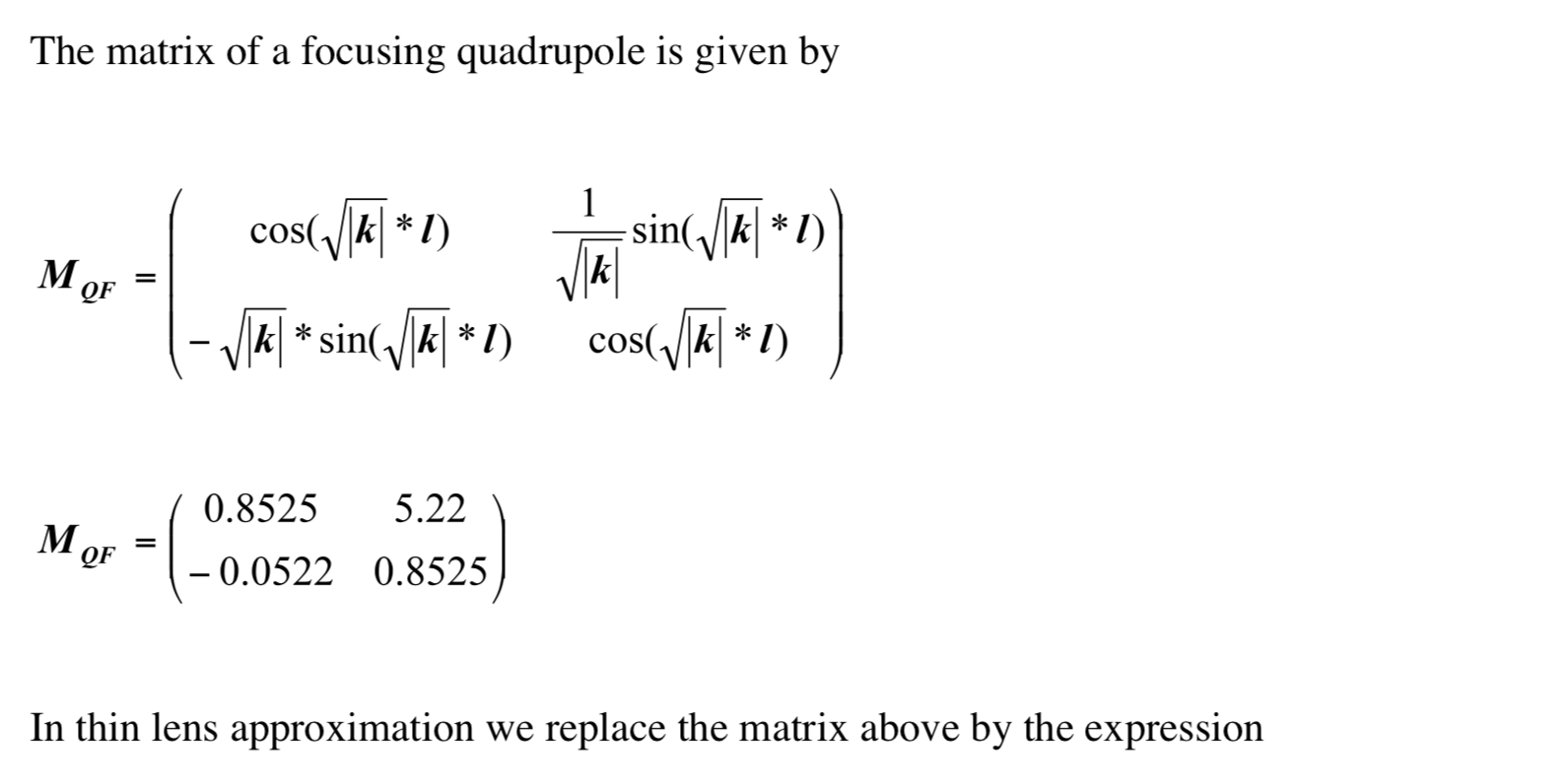


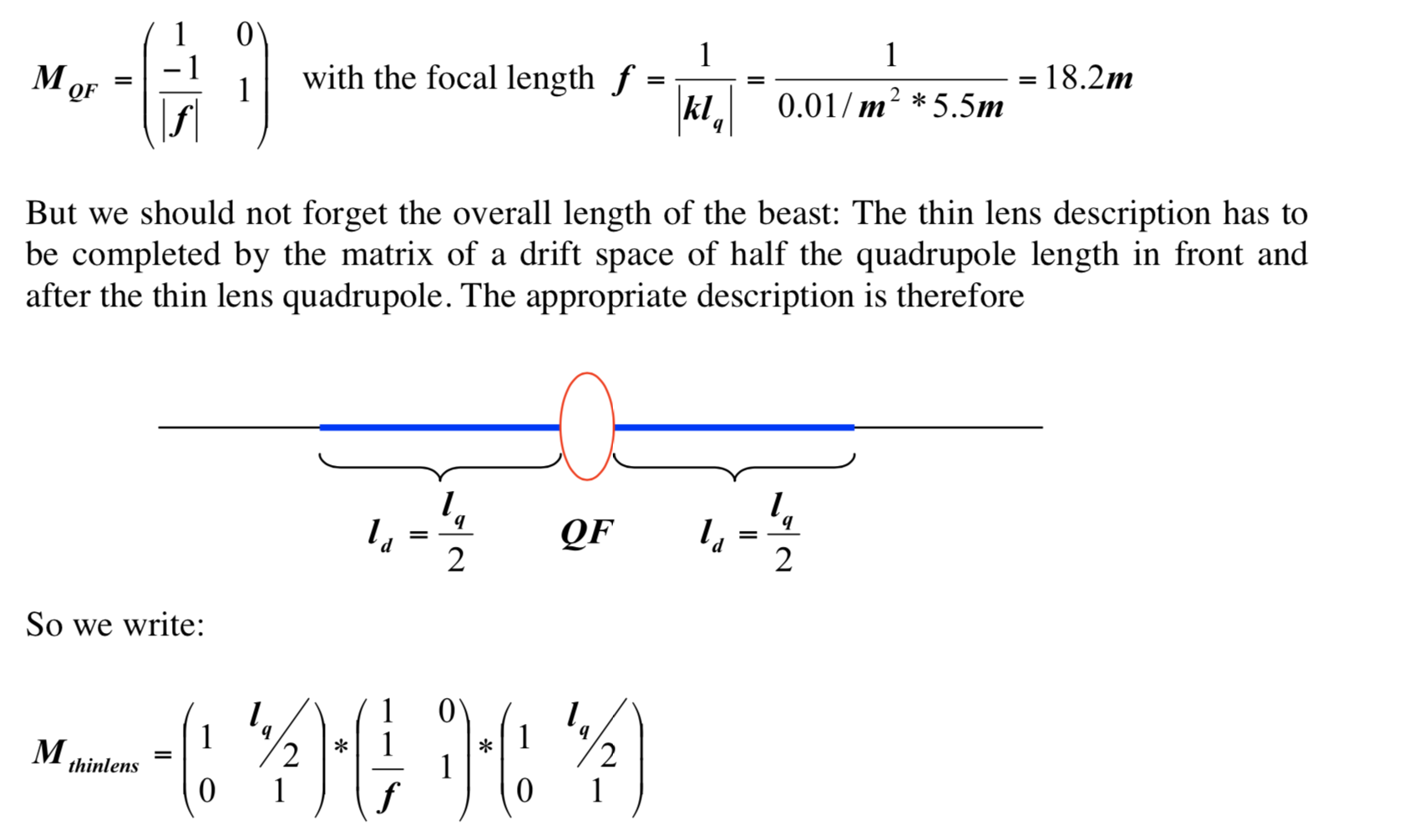


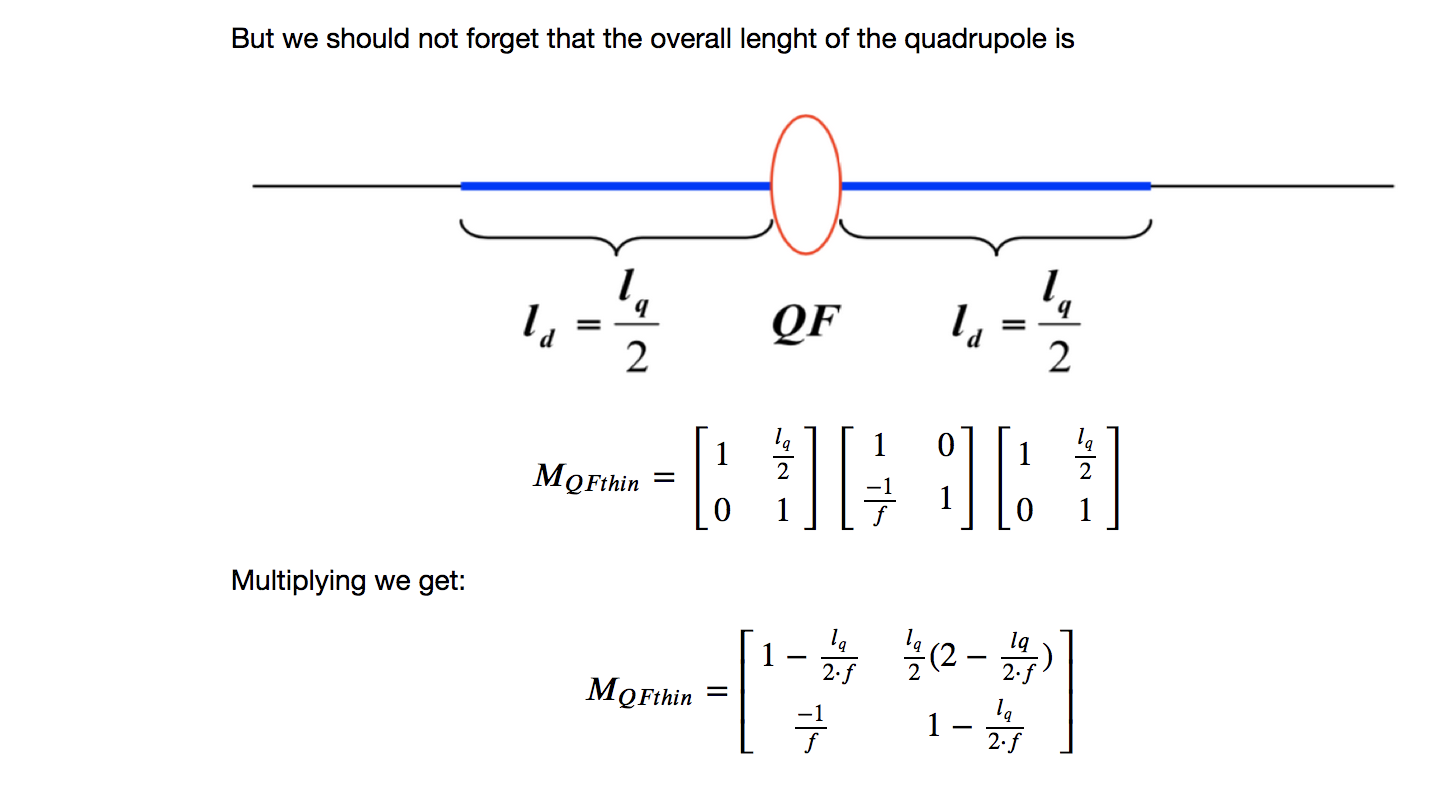


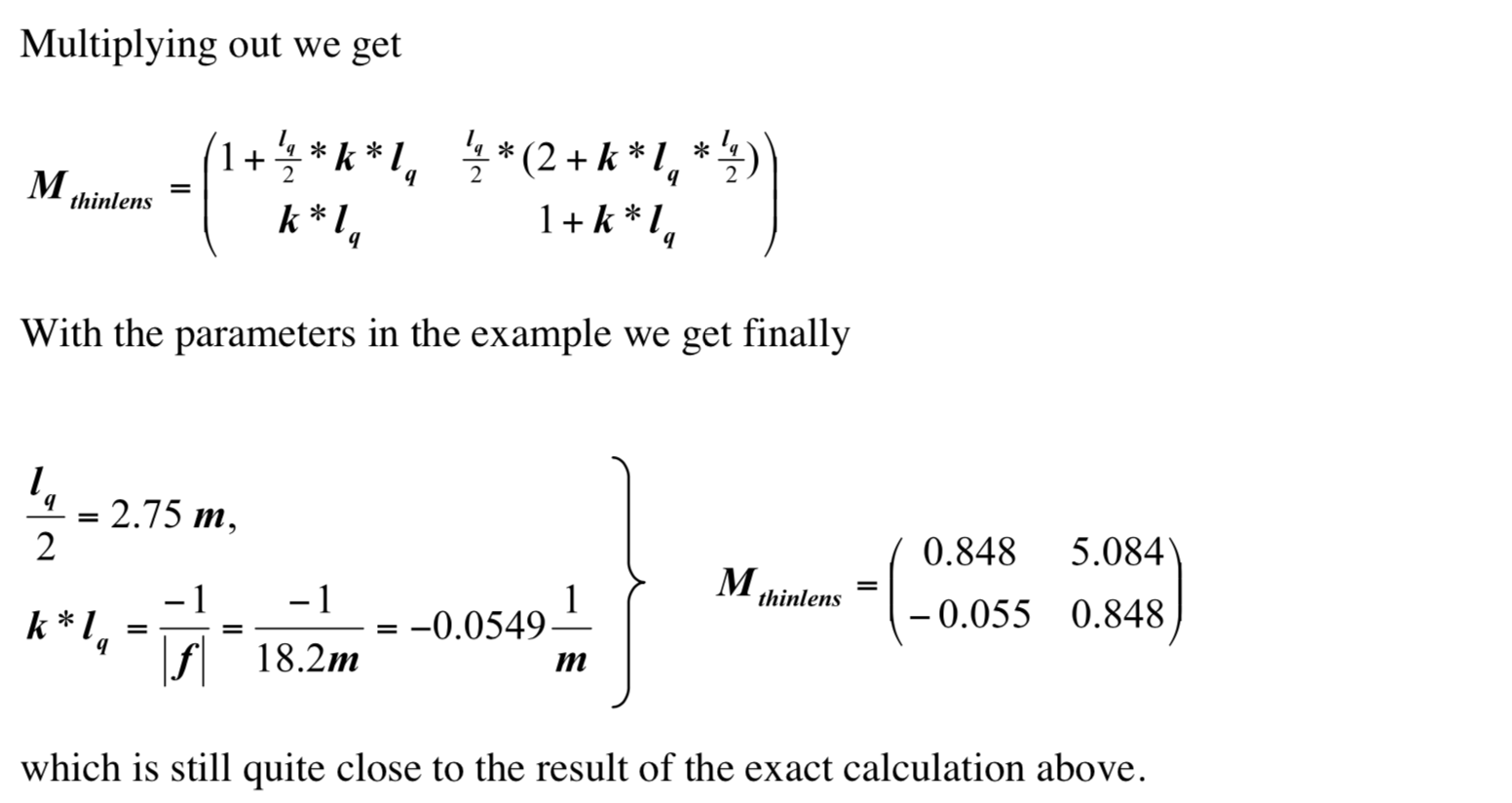




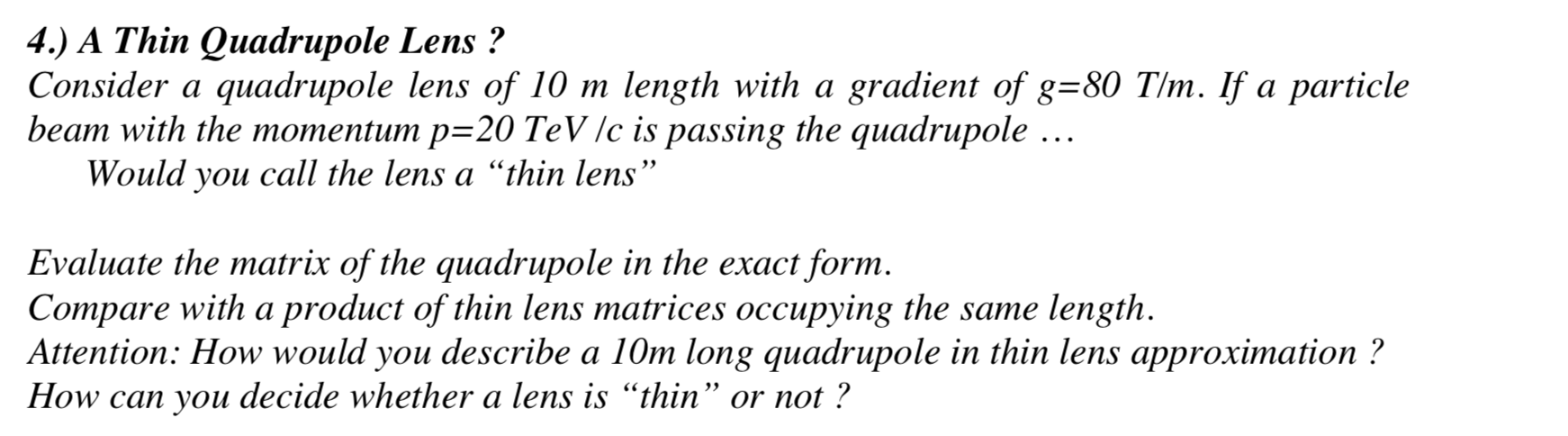


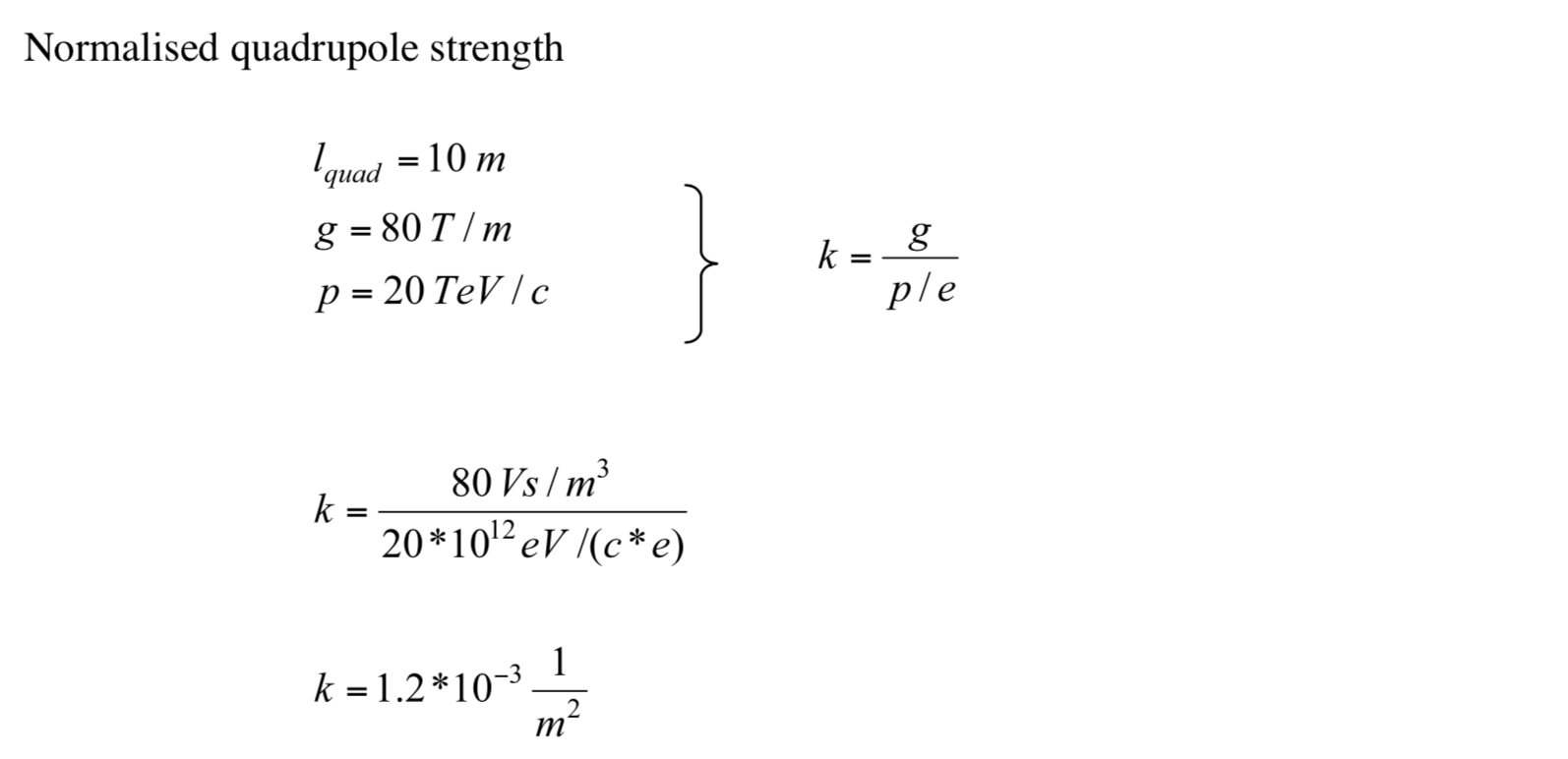


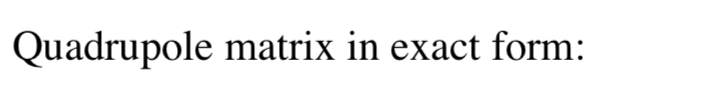


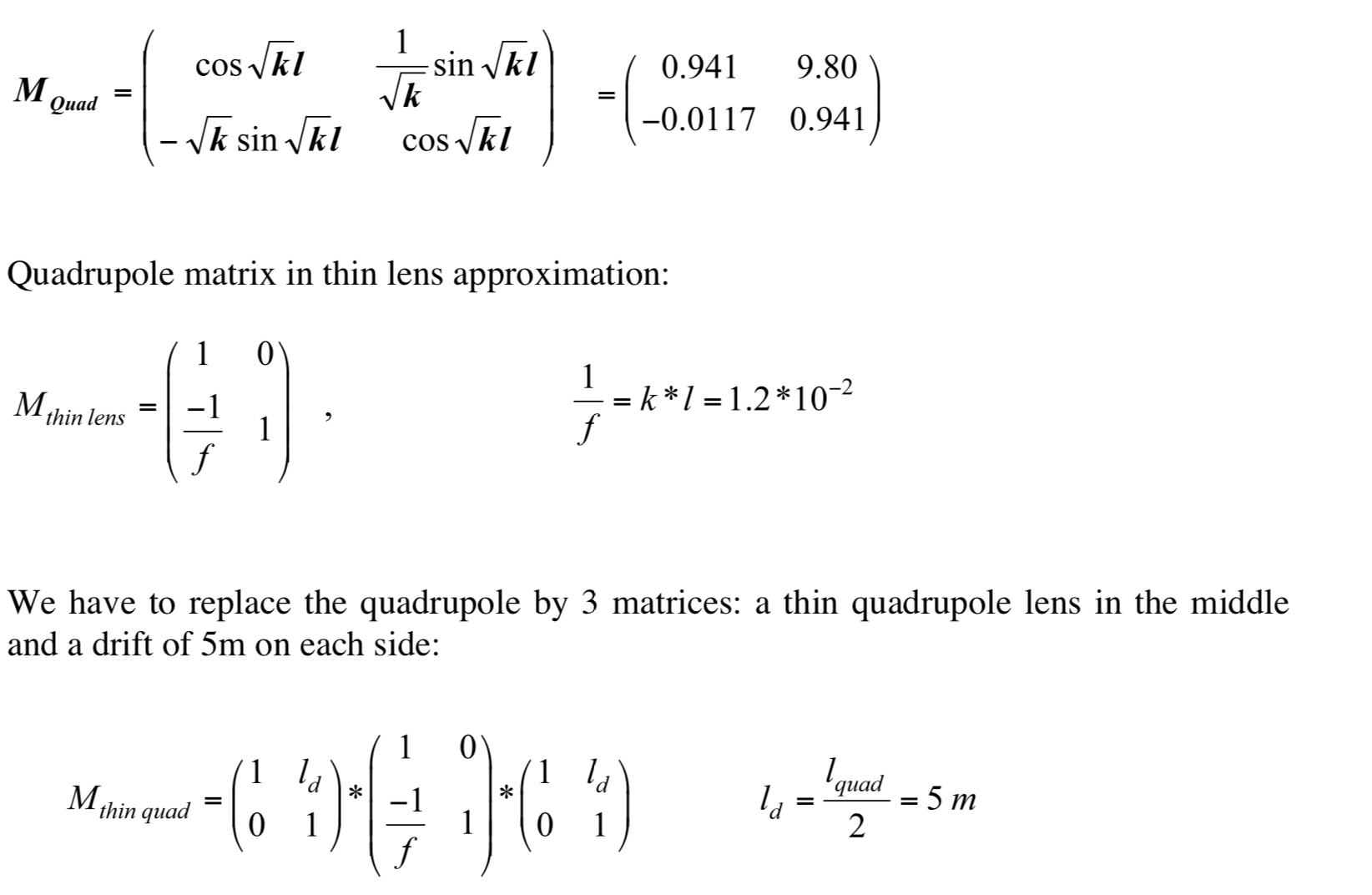


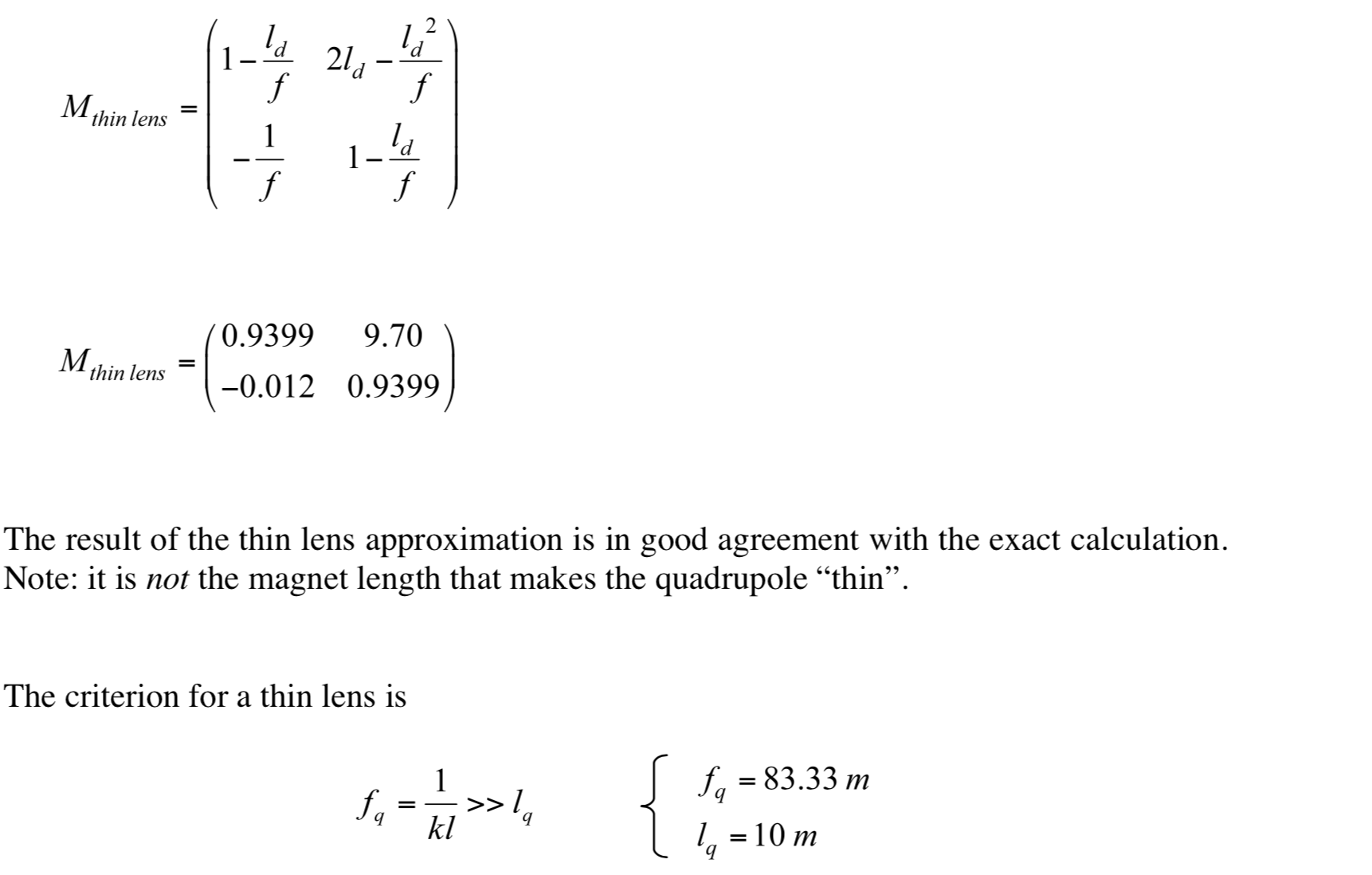
## 2 A thin quadrupole lens

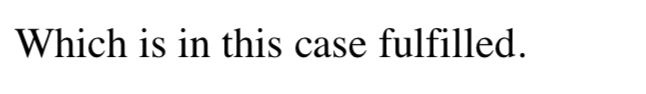












## **3 A FoDo cell**

