

Electrodynamics 2 final test

The exam consists of 3+1 parts and starts at 10 am. You have 2 hours to complete your answers and upload them either as jpg or pdf files. In case of network connection issues, you can send them by e-mail to takacs.gabor@ttk.bme.hu. Please number each answer by the part and problem/sub-question numbers e.g. I/4 or II/3.

Part I: short questions

These are 5x2 short questions randomly about the lecture material, testing your understanding of the fundamental principles, basic results and qualitative picture of important phenomena.
Partial score: 50 points

Part II: short calculations

Two short calculations that were given during the lectures as homeworks to complete.
Partial score: 40 points

Part III: essay

Here you need to write an exposition of some important theoretical subject. You must clearly state the underlying assumptions, include the derivation and proper discussion of the results, not just list formulae.
Partial score: 60 points

Part IV: bonus question

This is a problem that you are expected to be able to solve using what you learned.
Partial score: 12 points

Total score: 150+12. Marking is normalised to the total score of 150 as follows¹:

Score	Result	Mark
0-59.9	Fail	1
60-82.4	Pass	2
82.5-104.9	Average	3
105-127.4	Good	4
127.5-	Excellent	5

¹ Note that marks listed here are only indicative, as the final marks are obtained after combining with the results from the exercise class (cf. https://physics.bme.hu/BMETE15AF34_kov?language=en).