

Forum:Seminar papers/Biophysics/2. LF/2013-2014/Group 1

Group 1:

Matter structure

Subquestions

- Fundamental forces of nature – their characterization, strength and range
- Matter and energy
- Fundamental particles
- Wave-particle dualism

Optics

Subquestions

- Main bands of the electromagnetic spectrum, approximate definition by *wavelength*
- Characterize main phenomena confirming the *wave nature of light*: Diffraction
- Refraction index, Snell's law, types of optical media, total reflection conditions
- Optical activity and its medical use
- Light dispersion
- Optical aberrations

Responsibility for the page content

Subquestion (Link to the subquestion)	Developed by username (Surname, First name)	Team	Started	To be checked	Checked	Notice
Snell's law	[[User:]] (Derigs, Fabian)	1A				
Electromagnetic spectrum	Sdurant (Durant, Sinan)	1B	2013-12-07			
Light dispersion	Slickrick (Ishiki, Ryuki)	1A	2013-12-08			
Diffraction	KhanM (Khan, Mallaika Suhail)	1C	2013-12-07			
Optical activity	Lmaercklin (Maercklin-Rommel, Lotte)	1C				
Optical media	[[User:]] (Mohmand, Mariam Syalle)	1D				
Fundamental forces of nature	Mosinkolu (Osinkolu, Moyosolaoluwa)	1B	2013-12-07			
Fundamental particles	Paiergeorg (Paier, Georg)	1A	2013-12-07			
Matter and energy	Shaheyar (Qureshi, Shaheyar)	1D				
Total reflection	Biancaschramm (Schrammová, Bianca)	1A	2013-12-08			
Refraction index	MSindt (Sindt, Marine)	1D	2013-12-07	2013-12-07		
Optical aberrations	Sitver (Sitar, Veronika)	1C	2013-12-08	2013-12-08		
Wave-particle dualism	Velensky (Zelensky, Valeria)	1B	2013-12-08	2013-12-08		

Evaluation of the article:

- * – this article is not good
- ** – this article could be worse
- *** – this article is good
- **** – this article is very good
- ***** – this article is excellent

Preparing subquestions

Click on your red coloured subquestion on the table above. The appropriate edit window will be opened and you will start creating the content.

Instructions

- Every **subquestion** should be prepared by **one student**.
- Every student has to ask his/her own Wikilectures Administrator for his/her **own account** (login).
- Immediately after getting your own account from the Wikilectures administrator (but at least on **Wendesday**,

December 4th) every student **has to choose one topic** (i.e. subquestion) and write down the topic into the 1-st column (before his/her name) of the following table.

- Then she/he has to start writing the chosen topic on the **appropriate Wikilecture page**; the **deadline for this seminar work is on Sunday, December 8th**.
- After the Wikipage is written, every student has to ask the lecturer (Carmel J Caruana) for its checking by the inserting of the template Check on the beginning of the page:

{{Check|Carmel|caruana}}