

Forum:Seminar papers/Biophysics/2. LF/2012-2013/Group 1

Group 1:

Ultrasound and its medical applications

Subquestions

- Sound wave
- Acoustic pressure
- Acoustic impedance
- Doppler effect
- Ultrasound (from the physical point of view)
- Effects of ultrasound
- Ultrasound in various media and tissues
- Shock-wave
- Ultrasound imaging
- Doppler ultrasonography
- Therapeutic ultrasound applications

Photometry

Subquestions

- Radiometric and photometric quantities and units (and their correlation)
- Spectral sensitivity of the human eye
- Photopic and scotopic vision
- Light absorption
- Lambert's law
- Lambert-Beer's law
- Types of light sources, spectral characteristics

Responsibility for the page content

Every subquestion should be developed by one or two students. First, type the username (and the real first name and surname into parenthesis, if differs) of students in the following table:

Subquestion (Link to the subquestion)	Developed by username (First_name Surname)
Sound wave	User:Mima(Milena Tánzosová)
Acoustic pressure	User:Imranhaseebhassan(Imran Haseeb Hassan)
Acoustic impedance	User:tereshchenkoUA(Irene Tereshchenko)
Doppler effect	User:Sheni(Shenali Amaratunga)
Ultrasound	User:Yoki(Yocana dos Santos)
Effects of ultrasound	User:Vmino(Vlastibor Minarovjech)
Ultrasound in various media and tissues	User:Godwin.darkwah(Godwin Danso Darkwah)
Shock-wave	User:Kiyoshi(Kiyoshi Suganuma)
Ultrasound imaging	User:JanneMikkola(Janne Mikkola)
Doppler ultrasonography	User:81372847(Silva Rukavina)
Therapeutic ultrasound applications	User:Christopher Gupta(Christopher Gupta)
Radiometric and photometric quantities and units	User:Haseeb(Haseeb Khan)
Spectral sensitivity of the human eye	User:UrimLee:(UrimLee)
Photopic and scotopic vision	User:Shivani1989(Shivani Shukla)
Light absorption	User:junghoolee001(Junghoo Lee)
Lambert's law	User:Seungki Min(Seungki Min)
Lambert-Beer's law	User:NartAlHweitti(Kamal Al Hweitti)
Types of light sources, spectral characteristics	User:amaan(amaan hussain)

Developing 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.