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NPTEL

reviewer1@nptel.iitm.ac.in ▼

Courses » Acoustic and Noise Control[Announcements](#) **[Course](#)** [Ask a Question](#) [Progress](#) [Mentor](#)**Due on 2017-09-21, 23:59 IST**

1. SPL(Sound Pressure Level) in a room with machines A, B and C is 120 dB. When machine A is operated alone, it produces a SPL of 112 dB. If it is turned off for noise control treatments, what will be the resulting sound pressure level? After noise treatment of machine C, its SPL reduces to 80 dB whereas the combined p_{rms} of B & C reduces to half of the value before noise treatment.

(a) Find the SPL of each machine

(b) What will be the resulting sound pressure level in the room if machine A (after noise treatment) is also operated along with other machines?

Assume that the machines are uncorrelated noise sources (do not interact with each other).

Note: You can submit the scanned copy of the answers
File name should be in the format "Latname_Firstname"

Your Submission:

Due Date Exceeded.
As per our records you have not submitted this assignment.





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