Your Comments

This material was a lot more understandable than Gauss's Law.

I understood the prelecture and all the questions through out it... and then I got to the checkpoint questions... In particular the second part of the electric potential energy of a system and the motion of the point charge.

I'm just psyched that there isn't a lab this week. Maybe the professor will read this, probably not, buy a guy can dream.

Be sure to clarify that graph in prelecture question 2 where it asked about the potential energy in case one versus case 2. The graph on the preceding slide showed the MAGNITUDE of the potential energy, whereas the question asked about which was highest in potential energy, at which point sign must be taken into account.

does potential energy increase as distance between them increase?

Please explain the third check point question. Also, fro the first question on the prelecture, I do not see how we were suppose to know the direction gravity was pointing in. Please explain! And one more thing (last one, I promise) so I get that the potential energy in a system is just the sum of all the set pairs of particles, and the triangle example made sense, but what would happen if there were, say, 4 particles in a square. Would you factor in the charges diagonal to each other as well?