
What is the impedance of the solar inverter

Homework Statement I come across the impedance for an inductor and capacitor combined is $Z = XL - XC$, for a resistor and capacitor in series is $Z = \sqrt{R^2 + XC^2}$ and ...

I could see that capacitor impedance is mostly negative. Does the negative sign has any significant meaning? Also why do people convert impedance to admittance for circuit ...

I was researching what the total electrical resistance of the human body was and got some quite far ranging values. It seems to range from 1,000 to 100,000...

I don't fully understand how to work out the impedance from the given equation $(5j-5)x(11j-11)/ (5j-5)+ (11j-11)$. Any help would be greatly appreciated...

Why is the coaxial cable impedance independent of its length? I am considering the model shown in the attached picture. Since the resistance, capacitance...

So I've never gotten a straight answer as to how you calculate the resistance of a coil (or cap for that matter). I hesitate to use the term "impedance" because I've been told too ...

Hi All, I understand that the impedance of free space, according to the formula E/H , is 377 ohms. I understand that if the impedance is high, a given electric field is associated ...

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