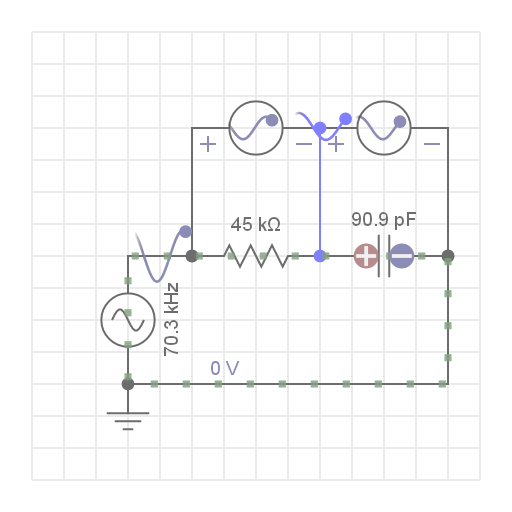
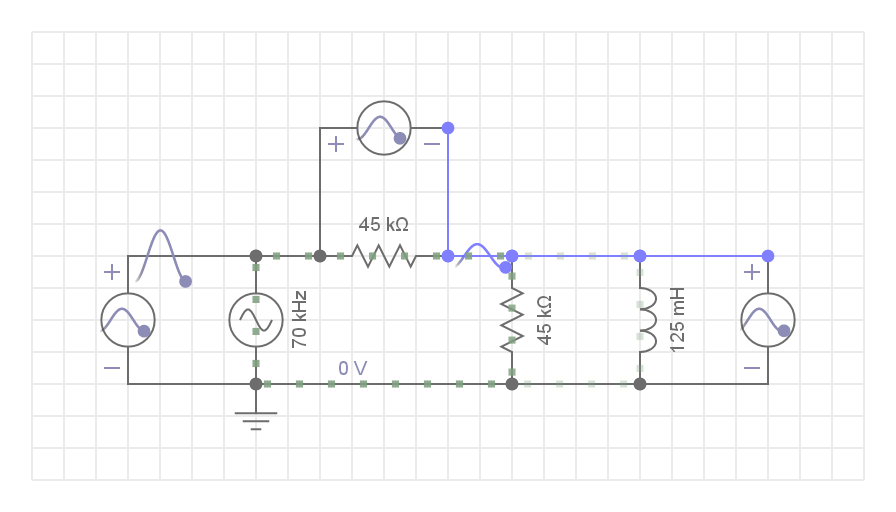


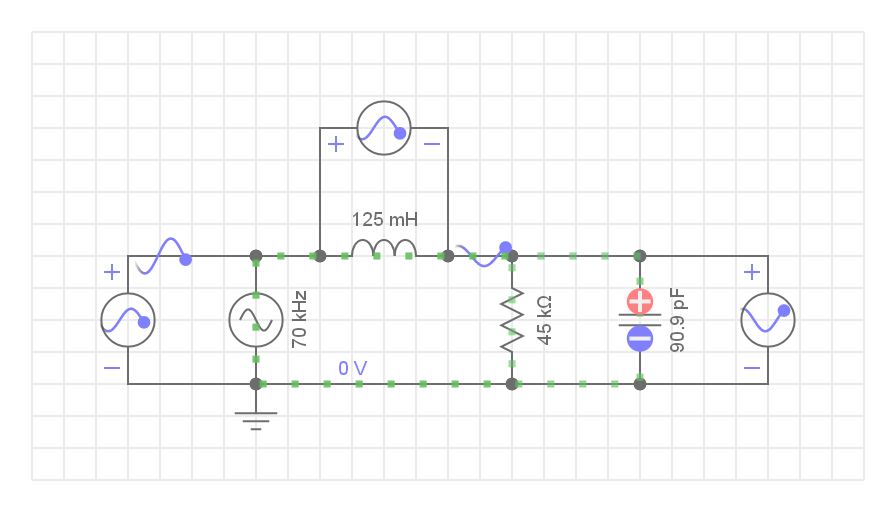
|  |  |  |
| --- | --- | --- |
| Calculations | | |
| Name | Formula | Result |
| L | XL/omega | 125.1137398 |
| Z | sqrt(R^2+(Xl-Xc)^2) | 71063.35202 |
| I | E/Z | 0.000773957 |
| UR | I\*R | 34.82807846 |
| UL | XL\*I | 42.56765146 |
| fi | arctg(XL/R) | 39.28940686 |



|  |  |  |
| --- | --- | --- |
| Calcs | | |
| Name | Formula | Result |
| C | 1/omega\*Xc | 45.49590537 |
| Z | sqrt(R^2+(Xl-Xc)^2) | 67268.12024 |
| I | E/Z | 0.000817624 |
| UR | I\*R | 36.79306024 |
| UC | XC\*I | 40.88117804 |
| fi | arctg(Xс/R) | -41.9872125 |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Calcs | | | | |
| Name | Formula | Result | | |
| Exponential Form | Algebraic(Real) | Angle |
| ZL | ZL | 55000i | 55000 | 90 |
| ZR | ZR | 45000 | 45000 | 0 |
| BLR | (ZL+ZR)/(ZL\*ZR) | 0.0000222222222222222-0.0000181818181818182i | 2.87125E-05 | -39.28941 |
| ZLR | 1/BLR | 26955.4455445544+22054.4554455446i | 34828.07846 | 39.28941 |
| ZLRR | ZLR+R | 71955.4455445544+22054.4554455446i | 75259.45222 | 17.04038 |
| I | E/ZLRR | 0.000698721730580138-0.000214159292035399i | 0.000730805 | -17.04038 |
| UR | I\*ZR | 31.4424778761062-9.63716814159296i | 32.88623458 | -17.04038 |
| URL | I\*ZLR | 23.5575221238938+9.63716814159295i | 25.4525413 | 22.24902 |
| IR | URL/ZR | 0.000523500491642084+0.000214159292035399i | 0.000565612 | 22.24902 |
| IL | URL/ZL | 0.000175221238938054-0.000428318584070796i | 0.000462773 | -67.75098 |



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| --- | --- | --- | --- | --- |
| Calcs | | | | |
| Name | Formula | Result | | |
| Exponential Form | Algebraic(Real) | Angle |
| ZL | ZL | 55000i | 55000 | 90 |
| ZC | ZC | 50000i | 50000 | 90 |
| ZR | ZR | 45000 | 45000 | 0 |
| GCL | (ZL+ZC)/(ZL\*ZC) | -0.0000381818181818182i | 3.81818E-05 | -90 |
| ZCL | 1/GCL | 26190.4761904762i | 26190.47619 | 90 |
| ZRCL | ZR+ZCL | 45000+26190.4761904762i | 52066.69802 | 30.19986 |
| I | U/ZRCL | 0.000912967106501328-0.000531356517011355i | 0.001056337 | -30.1999 |
| UR | I\*ZR | 41.0835197925598-23.911043265511i | 47.53518264 | -30.1999 |
| ULC | I\*ZLC | 13.9164802074403+23.911043265511i | 27.66597931 | 59.80014 |
| IL | ULC/ZL | 0.000434746241191109-0.000253026912862551i | 0.000503018 | -30.1999 |
| IC | ULC/ZC | 0.00047822086531022-0.000278329604148806i | 0.00055332 | -30.1999 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Schem | E | I | UR | UL | UC | fi | fi1 | fi2 |
| Calcs | 55 | 0.000774 | I\*R | 42.56765 | X | 0 | 0 | 39.28941 |
| Measured | 55 | 0.000774 | I\*R | 42.56765 | X | 0 | 0 | 39.28941 |
| Calcs | 55 | 0.000818 | 36.79306 | X | 40.88118 | 0 | 0 | -41.9872 |
| Measured | 55 | 0.000818 | 36.79306 | X | 40.88118 | 0 | 0 | -41.9872 |
|  |  |  |  |  |  |  |  |  |
| Schem | E | I | IR | IL | IC | fi | fi1 | fi2 |
| Calcs | 55 | 0.000731 | 0.000566 | 0.000463 | X | -17.0404 | 22.24902 | -67.751 |
| Measured | 55 | 0.000731 | 0.000566 | 0.000463 | X | -17.0404 | 22.24902 | -67.751 |
| Calcs | 55 | 0.001056 | 0.001056 | 0.000503 | 0.000553 | -30.1999 | 59.80014 | -30.1999 |
| Measured | 55 | 0.001056 | 0.001056 | 0.000503 | 0.000553 | -30.1999 | 59.80014 | -30.1999 |