文件(F) 视图(M) 工具(T) 帮助(H)

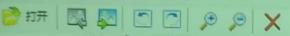


Photo Manager ② 完整查看器

"电路理论"64学时考试试题(A卷)

考试日期:2015.01.24 (计算机、物联网、软件等专业, 闭卷)

及: Acm 1301 学号: 世界 U 201315049 姓名: 30-店

1	2	3	4	5	6	7	8	9	总分
10	10	10	10	10	12	14	12	12	100
10	10	10	10	10	1	10		17/	•

any

示电路中的电流I。

1/9 | 001 | 475.4 KB | 1876x2288x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:10:58 | 70%



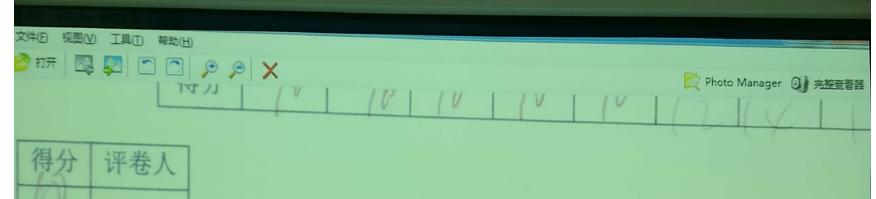




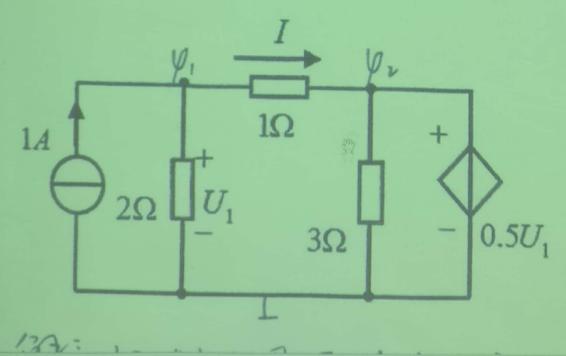








1、(10分) 求图示电路中的电流I。



L/9 | 001 | 475.4 KB | 1876x2288x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:10:58 | 70%

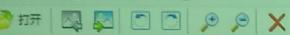


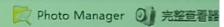


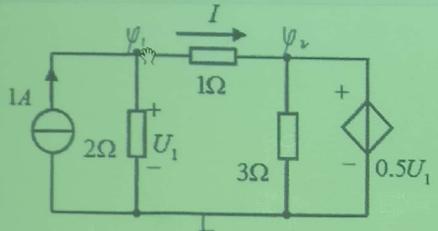












研·标结点如图.到结点为特得

$$\begin{cases} (\frac{1}{2}+1) | \varphi_1 - \varphi_2 = 1 \\ | \varphi_2 = 0.5 | V_1 \\ | V_1 = | \varphi_1 \end{cases}$$

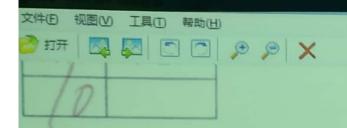
1/9 001 475.4 KB 1876x2288x24b JPEG 修改日期: 2016/1/6 星期三 下午 8:10:58 50%





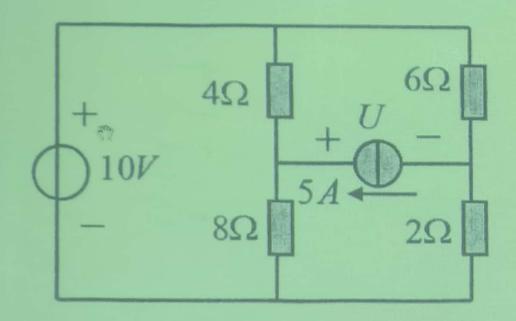








2、(10分)应用叠加定理求图示电路中的电压U。



2/9 002 285.0 KB | 1792x1748x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:11:56 | 70%

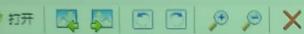




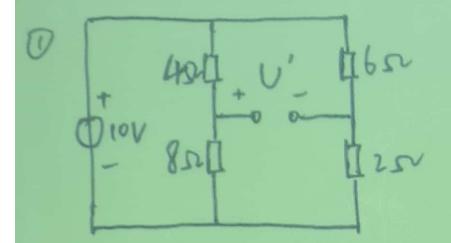












$$\frac{1250}{6} = \frac{1500}{6} = 250$$

Zus

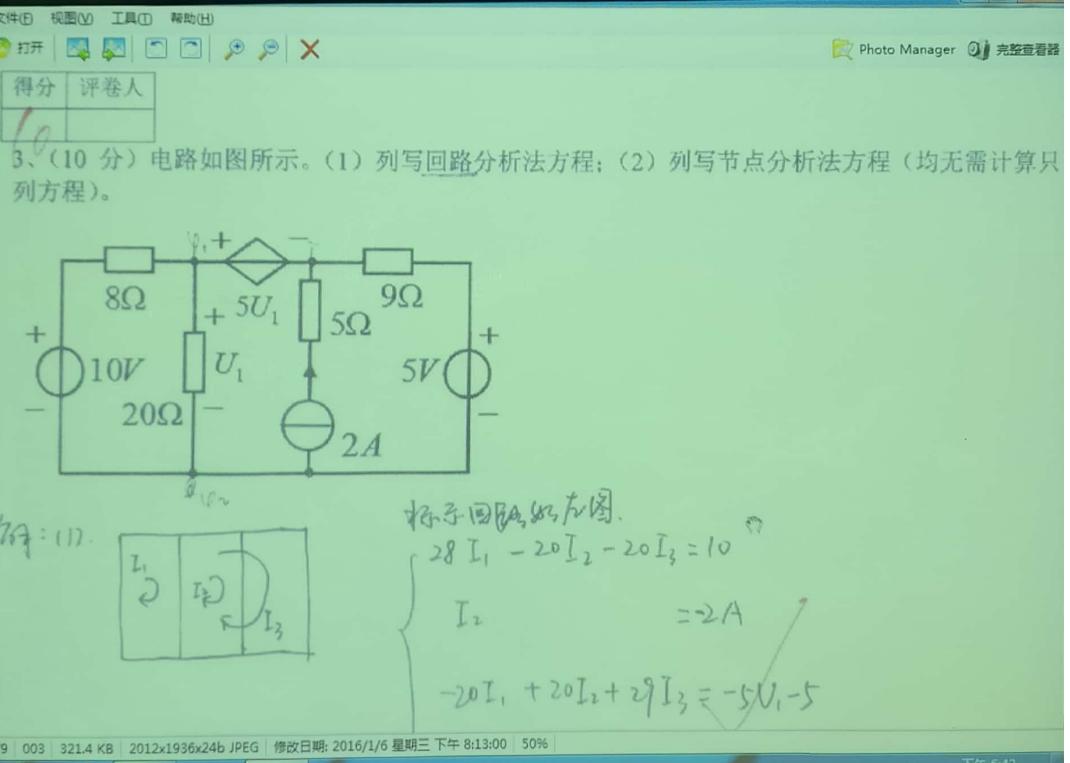
2/9 002 285.0 KB 1792x1748x24b JPEG 修改日期: 2016/1/6 星期三 下午 8:11:56 70%



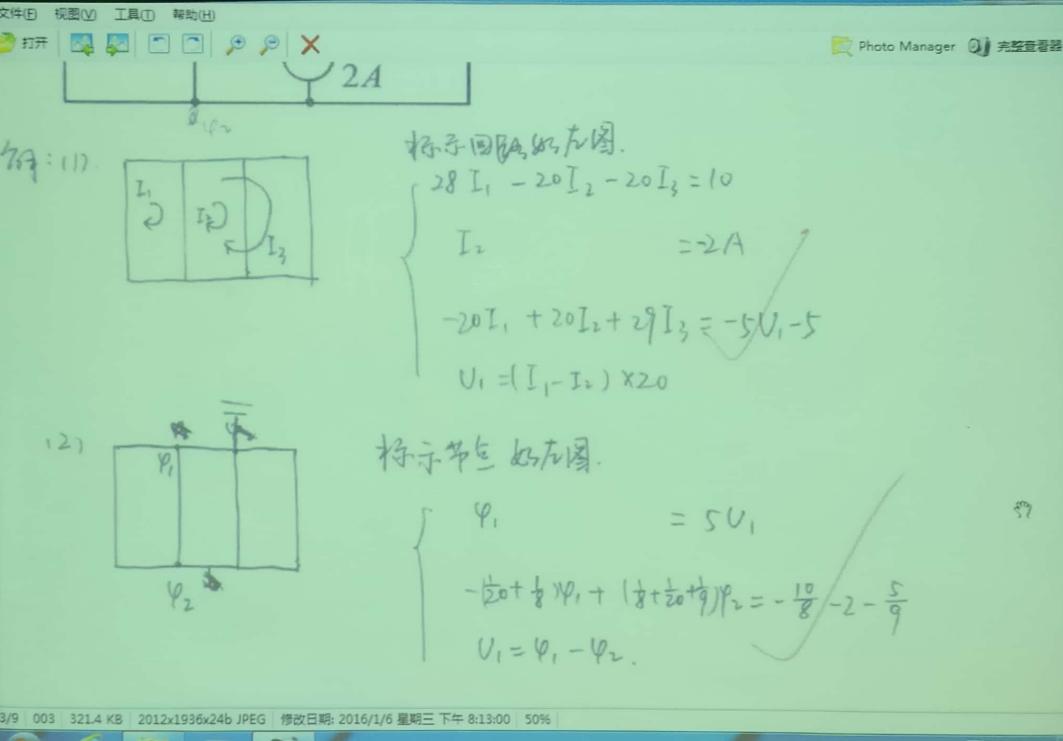






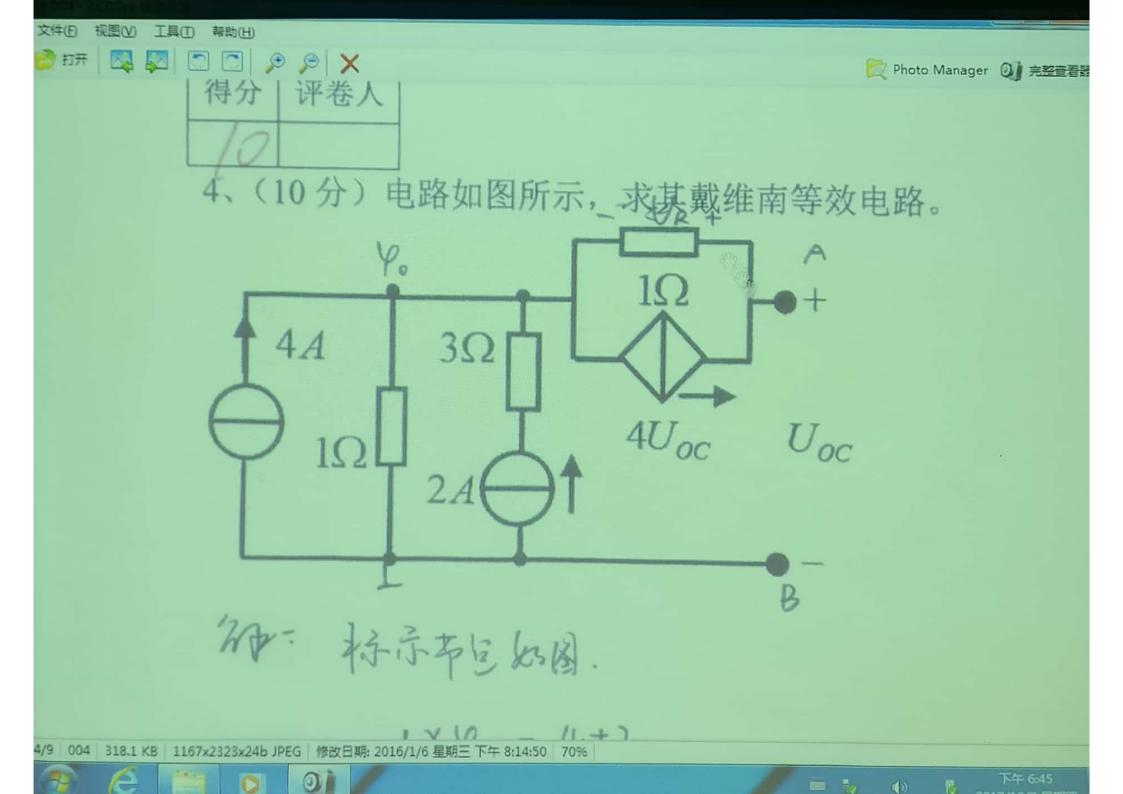


下午 6:42 2017/12/7 星明四









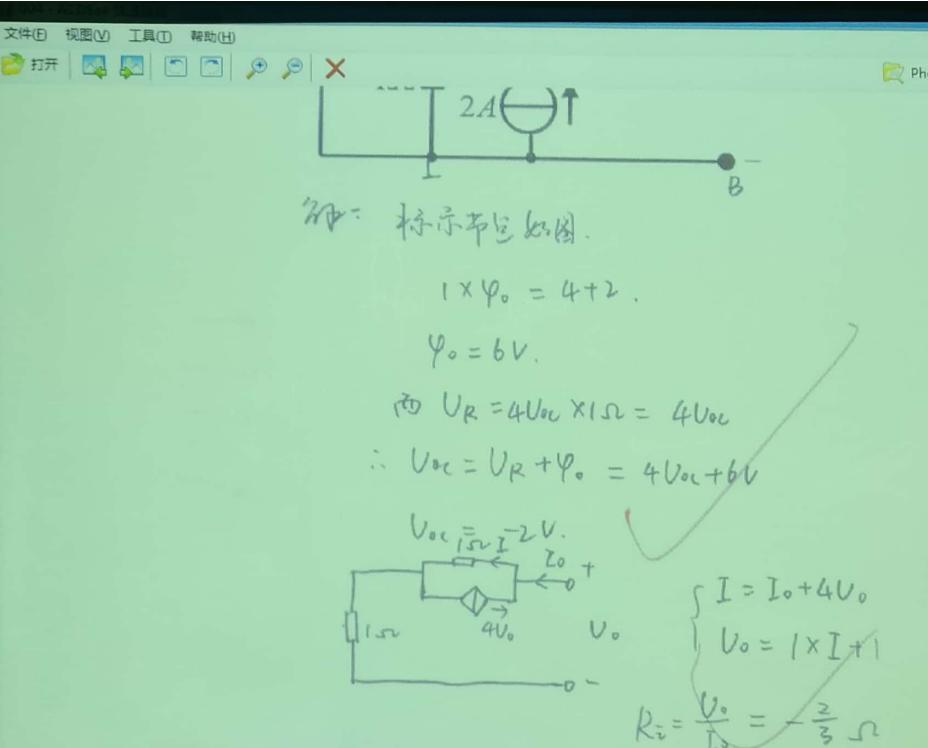
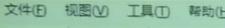
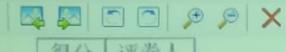
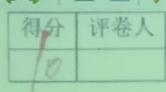


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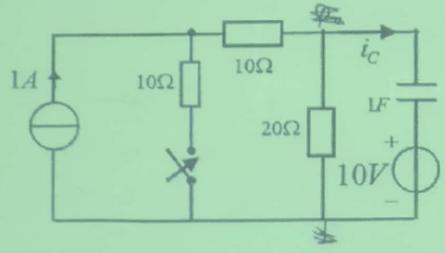








5、(10分)图示电路已处于稳态,t=0时开关闭合,求t>0时的电流 $i_C(t)$ 。



Motion lea 1752x1816x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:15:16 | 50%





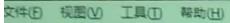














10V(

河:村子节与此少国、四日南江流有

U, (0+) = 1 x20-10 = 10V.

等结块则 R= (10+10)/120 = 10几

320.0 KB 1752x1816x24b JPEG 修改日期: 2016/1/6 星期三 下午 8:15:16 50%





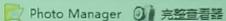








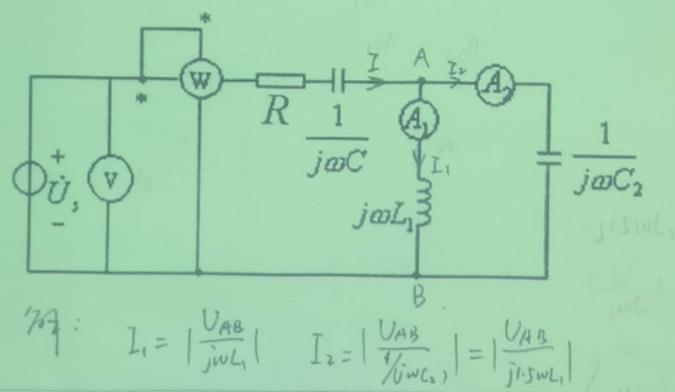




评卷人 得分

6、(12 分) 已知: $\frac{1}{\omega C_2} = 1.5\omega L_1$, $R = 1\Omega$, $\omega = 10^4 rad/s$, 电压表的读数为 1 0 V, 电流表 A_1 的

读数为30A。求图中电流表 A_0 ,功率表W的读数和电路的输入阻抗 Z_m 。



2355x2375x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:16:18 | 50%









文件(E) 视图(V) 工具(T) 帮助(H)

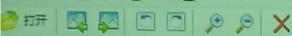


Photo Manager ② 完整查看器

: I1= = 11= 20A. 即 Ai藏物20A

"SUMB海港的相影图的下:

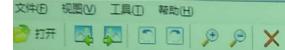
P= Us·I·Cos(-93+98)=100以

$$Z_{in} = \frac{\dot{U}s}{\dot{I}} = 1$$



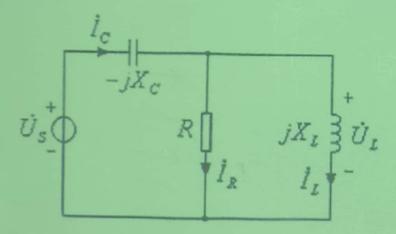








7、(14分)图示电路中,已知 $I_R=3A$, $U_S=9V$, i_C 超前 u_S 的相位角为 $\varphi=36.9°$,且 U_S 与 U_L 正交。求元件参数 R, X_L 与 X_C 的值。



阿·15 Vi为基外的和超级对。(由Ie=Ip+ILX·Vs领先ULgin情况和他)

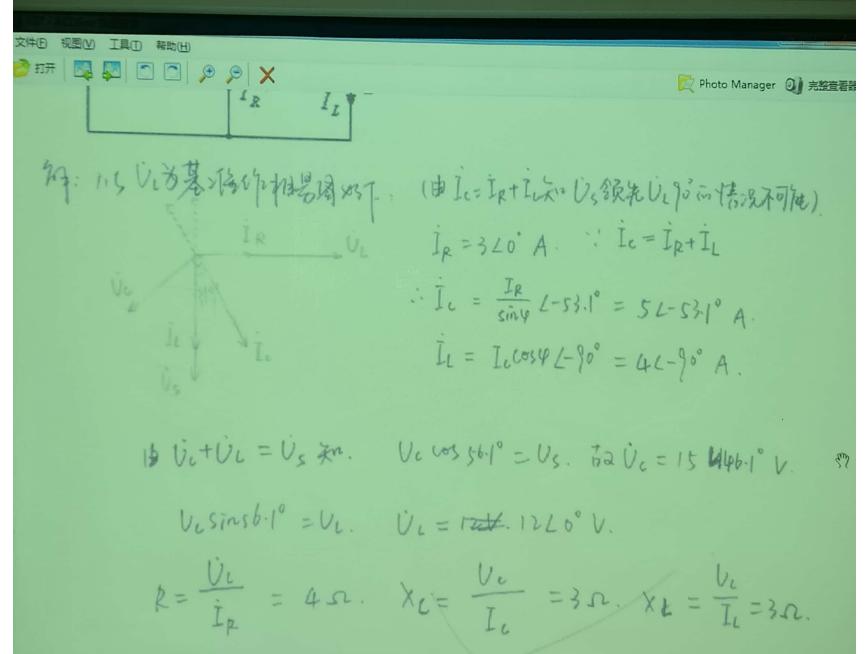
1976x2012x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:17:00 | 50%











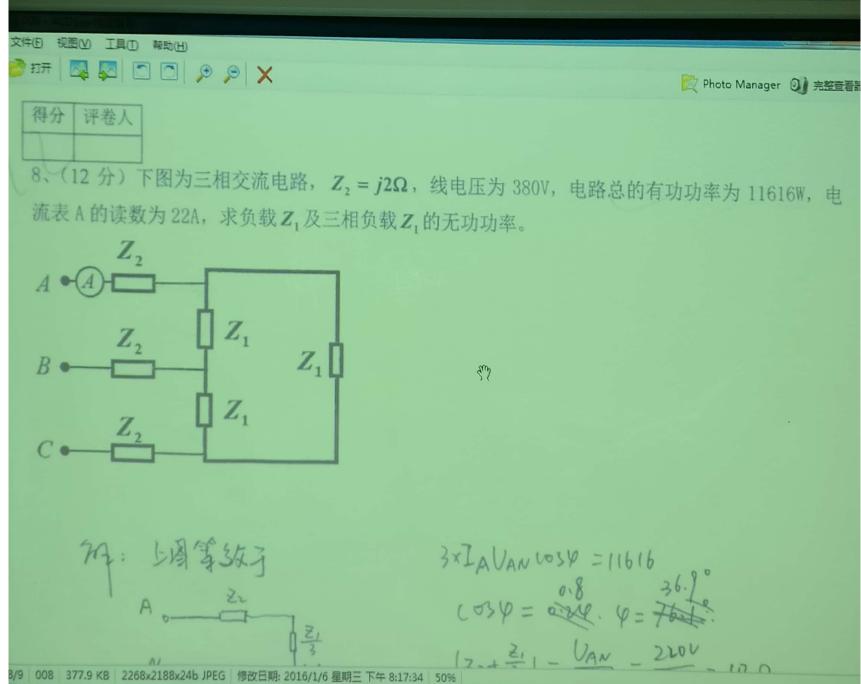
7/9 007 451.1 KB 1976×2012×24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:17:00 | 50%

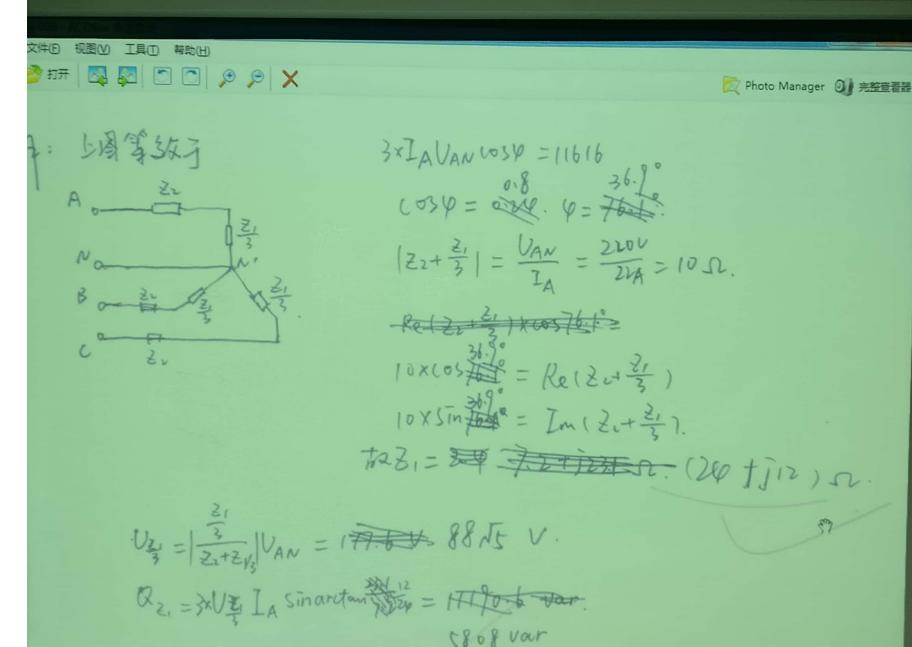












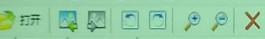
8/9 008 377.9 KB 2268x2188x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:17:34 50%





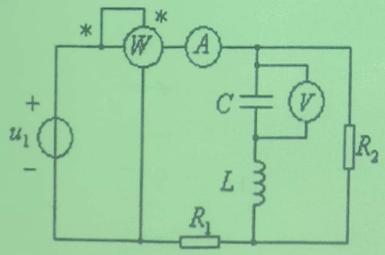








9、(12 分) 已知 $R_1 = 1\Omega$, $R_2 = 2\Omega$, L = 1H, C = 0.25F , $u_1(t) = (3+10\sqrt{2}\sin 2t)$ V 。 试求电压表电流表、功率表的读数。



河: の対直流电域=3V.

$$I' = \frac{U'}{R_1 + R_2} = \frac{3V}{I^{2n+2}} = IA.$$

 $V' = I' \times R_2 = 2V$

D' +191'

3/9 | 009 | 344.9 KB | 1992x2300x24b JPEG | 修改日期: 2016/1/6 星期三 下午 8:18:04 | 50%











$$I'' = \frac{U''}{R} = \frac{10V}{150} = 10A$$





