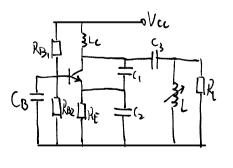
班级:信工 班 姓名: 课堂序号: 作业成绩

重要说明:作答请务必手写;作业内容为书上习题时,请先抄题(文字部分可键盘录入),题中电路图需直尺手绘。作业内容:

题 1: 说明克拉泼电路和西勒振荡电路是如何改进电容反馈振荡器性能的。

- 1. 就被电路引加了一个5C1, C2 串联的电容C3. C3~C1, C2, 使回路将电容取决于C3. 减少三极管撤回电容对振荡频率服影响。
- 2. 西勒振荡电路在克拉波电路基础上5电感并联调电容(4,回路总电容近似于 C3+C4可以利用 C4调节振荡频率,保持 见"基本不变



$$\frac{C_{1}C_{2}}{C_{3}(C_{1}+(z)+1)} \approx | W_{0}SC = W_{0} = \frac{1}{\sqrt{LC_{3}}} = 84.52 \text{ Mray/s}$$

$$Reo = (lo UAL = 16.9 | K D)$$

$$R' = R/|Reo = 7.95 | K D$$

$$C'_{2} = C_{2} + C_{6}e = 40 | 0 pF$$

$$C = \frac{C_{1}C'_{2}}{C_{1}+C'_{2}} = 84.52 \text{ Mray/s}$$

$$C'_{3} = C_{4} + C_{6}e = 40 | 0 pF$$

$$C = \frac{C_{1}C'_{2}}{C_{1}+C'_{2}} = 84.52 \text{ Mray/s}$$

$$C'_{4} = C_{4} + C_{6}e = 40 | 0 pF$$

$$C = \frac{C_{1}C'_{2}}{C_{1}+C'_{2}} = 84.52 \text{ Mray/s}$$

$$C'_{5} = C_{4} + C_{6}e = 40 | 0 pF$$

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$$C = \frac{C_{1}C'_{1}}{C_{1}+C'_{2}} = 84.52 \text{ Mray/s}$$

$$C'_{5} = C_{4} + C_{6}e = 40 | 0 pF$$

$$C = \frac{C_{1}C'_{1}}{C_{1}+C'_{2}} = 84.52 \text{ Mray/s}$$

$$C'_{5} = C_{4} + C_{6}e = 40 | 0 pF$$

$$C'_{6} = C_{1} + C_{2} + C_{3} + C_{4} = 0.2$$

$$C'_{7} = C_{1} + C_{2} + C_{3} + C_{4} = 0.2$$

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$$C'$$