

2016年 电工所 电路原理 考研真题
(科大科院考研网独家收集整理)

一、简述基尔霍夫定律

对 ab 端进行戴维南等效， Z 为多少时最大功率？
 $I_s, U_s, R_1, R_2, R_3, R_4$ 已知，求最大功率 P_{max} 和 Z 值。

$P_1 + P_2 + P_3 + P_4$

The diagram shows a circuit with a voltage source U_s on the left. A resistor R_1 is in parallel with the source. A resistor R_2 is in series with the source. A resistor R_3 is in parallel with R_2 . A resistor R_4 is in parallel with R_3 . Terminals a and b are connected across R_4 and a load Z is connected between them. A current I_s is indicated flowing through R_1 .