

### Chapter 5, Problem 87

Figure 5.105 displays a two-op-amp instrumentation amplifier. Derive an expression for  $v_o$  in terms of  $v_1$  and  $v_2$ . How can this amplifier be used as a subtractor?

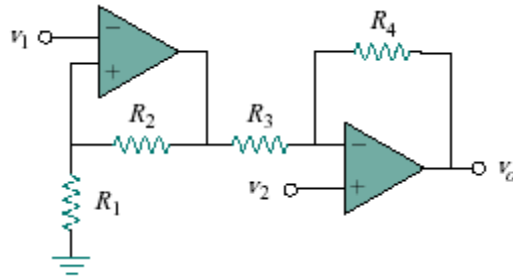


Figure 5.105  
For Prob. 5.87.