

chapter5_3 Analyzing summing op-amps

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% Onwubolu, G. C.  
% Mechatronics: Principles & Applications  
% Elsevier  
%  
% Mechatronics: Principles & Applications Toolbox Version 1.0  
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%  
% Chapter 5: Operational amplifiers  
%  
% Example 5.3 MATLAB's calculating power is demonstrated by analyzing  
% summing op-amps  
  
'Example 5.3'           % Display label.  
% op-amps  
Rf=10E+3;  
Ri=[6 6 6]*1E+3  
Vi=[5 5 5];  
  
% Commence computation  
  
'Output voltage'  
Vout=-Rf*[Vi(1)/Ri(1)+Vi(2)/Ri(2)+Vi(3)/Ri(3)]  
pause
```