

chapter5_2 Analyzing non-inverting 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 5.2  MATLAB's calculating power is demonstrated by analyzing  
% non-inverting op-amps  
  
'Example 5.2'          % Display label.  
% op-amps  
Rf=8E+3;  
Ri=4E+3;  
Vi=10E-3;  
  
% Commence computation  
  
'Gain:'  
G=1+Rf/Ri %Vout/Vi=G  
'Output voltage'  
Vout=Vi*G  
  
pause
```