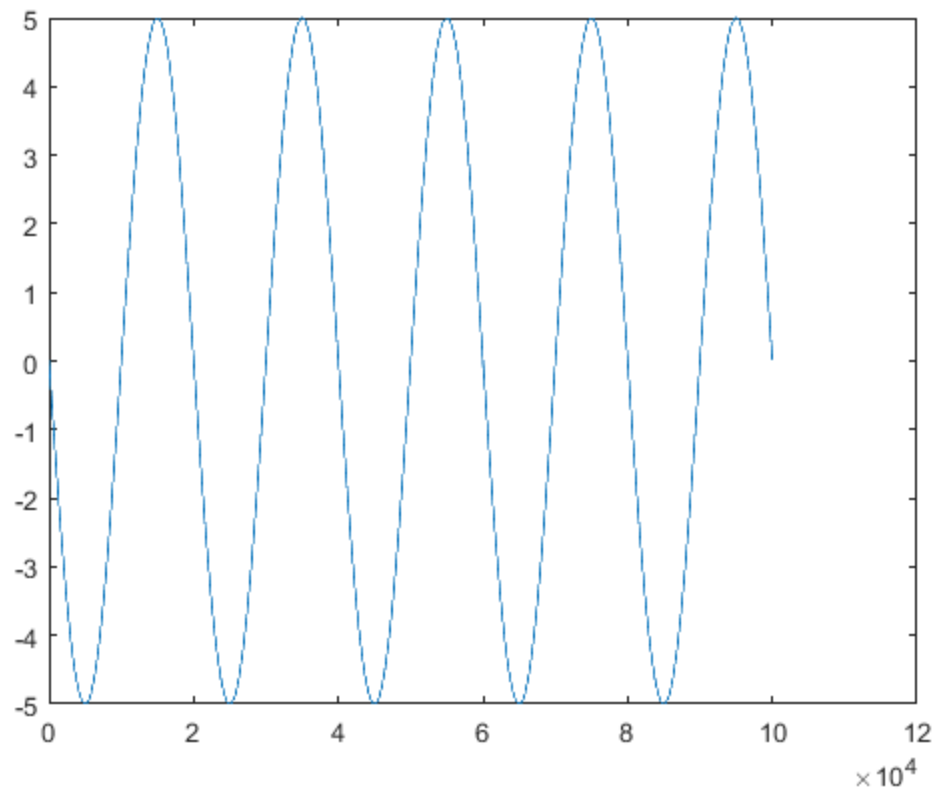

```
n = 0:100000;  
phase = pi / 2;  
amplitude = 5;  
number_cycles = 5;  
x = amplitude * cos(( 2 * pi * number_cycles * n / 100000 + phase));  
plot(x);
```



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