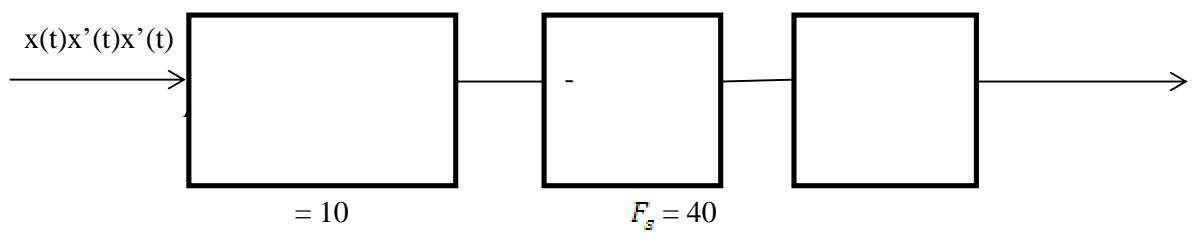


120 « -10: -10: »
 = -10: -10: »
 « -10: -10: »
 120- . -2014. - ., .2. - .258-260 »

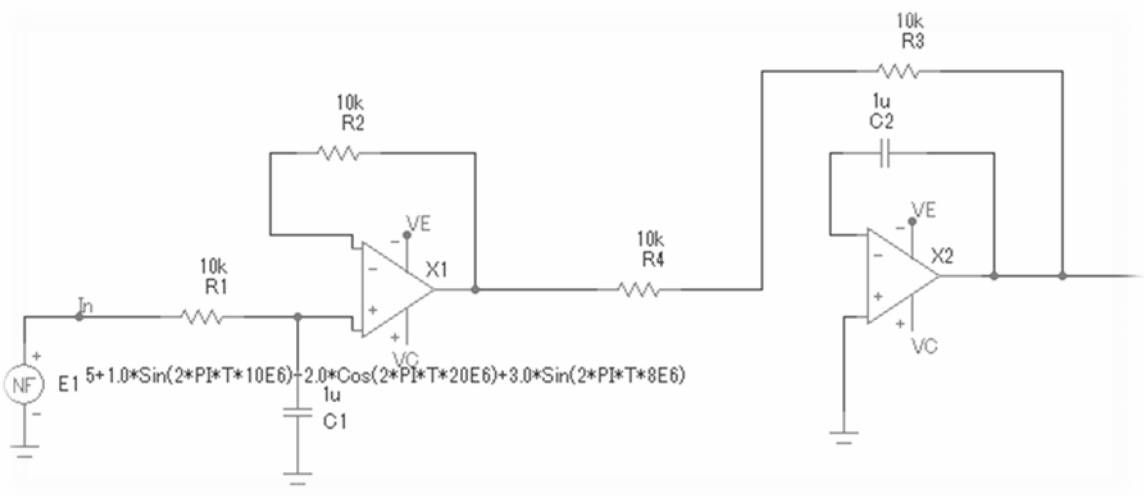
() .
 ,
 ,
 .
 $F_s \geq 2f_{max}$, F_s - .
 4 , ,
 , 8 , .
 , ,
 .
 , ,
 .
 , ,
 .
 3,4 , 10
 ,
 .
 , :
 - ;
 - ;
 - ;
 : ;
 - ;
 - ;
 - ;
 - ;

(1), :



1 -

.2:



2 -

, 1, ;

$$H(F) = \frac{1}{\sqrt{1 + (\frac{f_c}{f_s})^8}}$$

$f_s - f_c -$ () ;

$$f_s = 2F_{max}$$

$$F_{max} = 20 \quad ,$$

$$f_s = 2 * 20 = 40 \quad .$$

$$|H(F)| = \frac{1}{[1 + (f/f_c)^2]^{\frac{1}{2}}}$$

$$f_c = \frac{1}{2\pi RC} = 2$$