

```

disp('Grupo 5')
Grupo 5
disp('NRC:7543')
NRC:7543
date

ans =

    '26-Nov-2021'

clock

ans =

    1.0e+03 *

Columns 1 through 5

    2.0210    0.0110    0.0260    0.0230    0.0520

Column 6

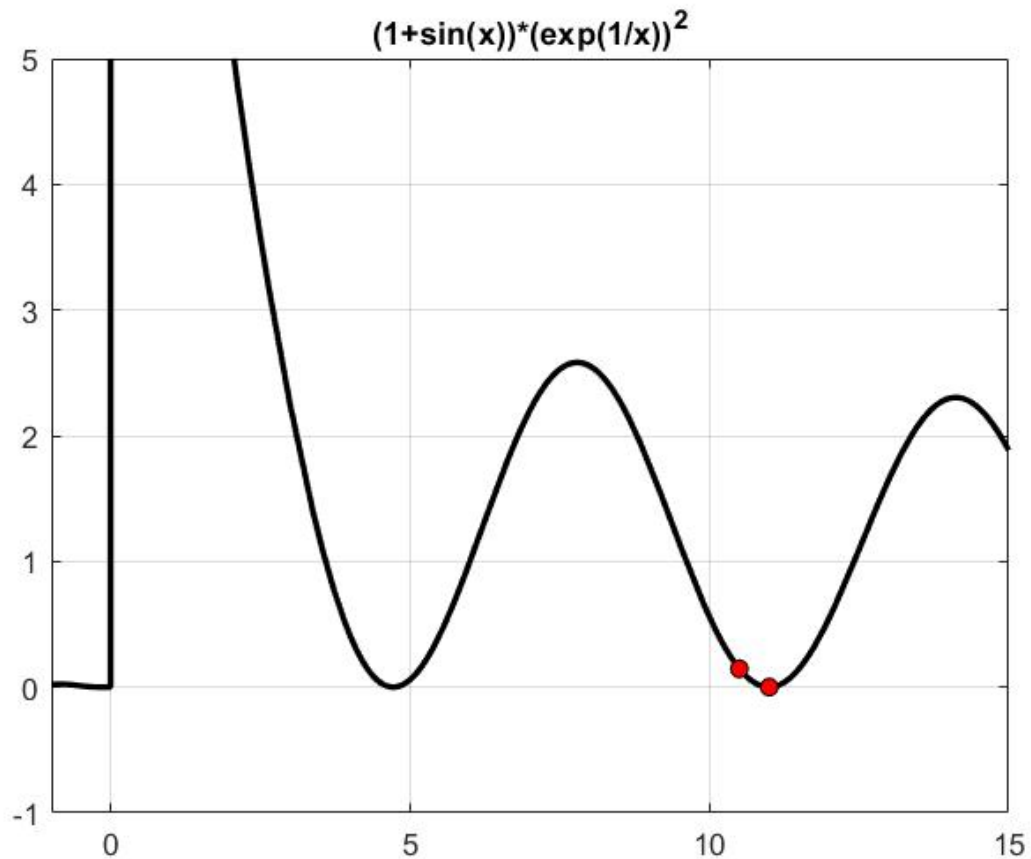
    0.0030

clc
clear
clc
[r] = fsec('(1+sin(x))*(exp(1/x))^2');
1

1

disp('Aqui va la img 1')

```

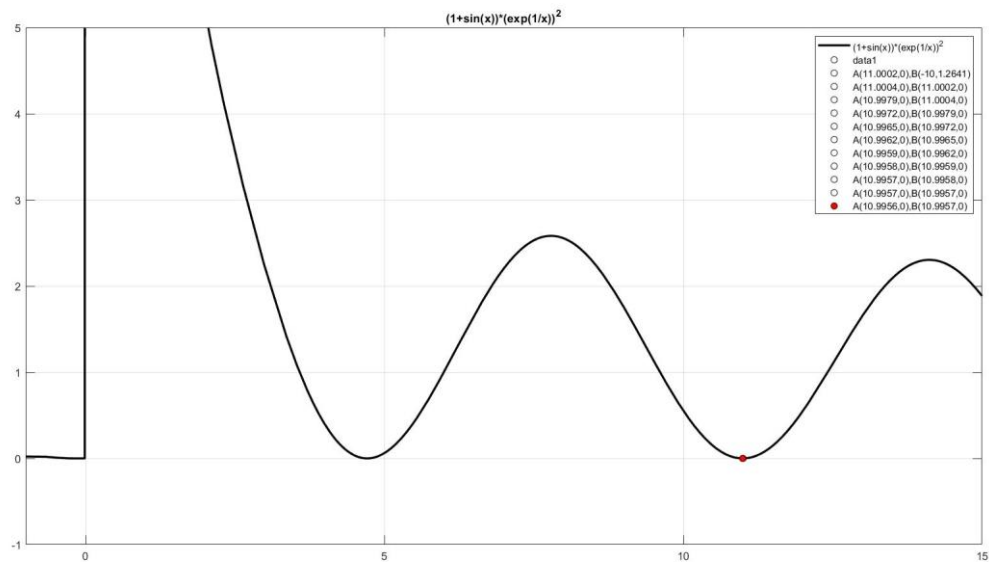


Aqui va la img 1

```
[r,z,w] = fsec('(1+sin(x))*(exp(1/x))^2',[-10,11],12);
    <strong>Iteraccion</strong>      <strong>ai</strong>
<strong>bi</strong>          <strong>f(ai)</strong>
<strong>f(bi)</strong>        <strong>ci</strong>
<strong>f'(ci)</strong>      <strong>f''(ci)</strong>
<strong>ec</strong>          <strong>ea</strong>
    <strong>_____</strong>      <strong>_____</strong>
<strong>_____</strong>      <strong>_____</strong>
<strong>_____</strong>      <strong>_____</strong>
<strong>_____</strong>      <strong>_____</strong>
<strong>_____</strong>      <strong>_____</strong>
```

1	-10	11	1.2641	1.1746e-05	11
0.005542	1.1992	21	190.91		
2	11	-10	1.2805e-05	1.2641	11
0.0057971	1.1992	21	210		
3	11	11	1.4011e-05	1.2805e-05	10.998
0.0028334	1.1993	0.00021272	0.0019338		
4	10.998	11	3.3467e-06	1.4011e-05	10.997
0.0019032	1.1994	0.0024713	0.022465		
5	10.997	10.998	1.51e-06	3.3467e-06	10.997
0.0011385	1.1994	0.00077556	0.0070518		
6	10.997	10.997	5.4032e-07	1.51e-06	10.996
0.00071236	1.1994	0.00063758	0.0057977		
7	10.996	10.997	2.1154e-07	5.4032e-07	10.996
0.00043819	1.1995	0.00035527	0.0032308		
8	10.996	10.996	8.0039e-08	2.1154e-07	10.996
0.0002713	1.1995	0.00022858	0.0020788		

9	10.996	10.996	3.0683e-08	8.0039e-08	10.996
0.00016756	1.1995	0.00013913	0.0012653		
10	10.996	10.996	1.1704e-08	3.0683e-08	10.996
0.00010358	1.1995	8.6492e-05	0.00078659		
11	10.996	10.996	4.4727e-09	1.1704e-08	10.996
6.4013e-05	1.1995	5.3336e-05	0.00048506		
12	10.996	10.996	1.7081e-09	4.4727e-09	10.996
3.9563e-05	1.1995	3.2991e-05	0.00030004		



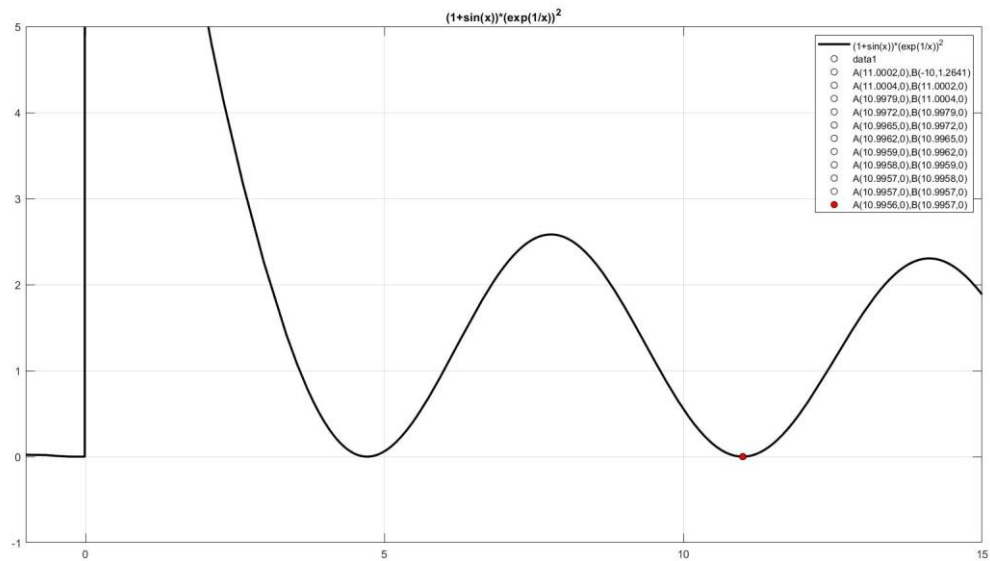
```
[r,z,w] = fsec('(1+sin(x))*(exp(1/x))^2',[10.5,11],10e-2);
```

```

<strong>Iteraccion</strong>    <strong>ai</strong>
<strong>bi</strong>                <strong>f(ai)</strong>
<strong>f(bi)</strong>              <strong>ci</strong>
<strong>f'(ci)</strong>            <strong>f'(ci)</strong>
<strong>ec</strong>                  <strong>ea</strong>
    <strong>_____</strong>    <strong>__</strong>
<strong>____</strong>    <strong>_____</strong>
<strong>_____</strong>    <strong>____</strong>
<strong>_____</strong>    <strong>_____</strong>
<strong>_____</strong>    <strong>_____</strong>

```

1	0	0	0.14555	1.1746e-05	11
0.0053564	1.1992	0.5	4.5455		
2	11	10.5	1.1961e-05	0.14555	11
0.0054056	1.1992	0.50004	4.7623		
3	11	11	1.2183e-05	1.1961e-05	10.998
0.0026905	1.1993	4.1098e-05	0.00037362		



```
[r,z,w] = fsec('(1+sin(x))*(exp(1/x))^2',[10.5,11],10e-3);
```

```

<strong>Iteraccion</strong>    <strong>ai</strong>
<strong>bi</strong>                <strong>f(ai)</strong>
<strong>f(bi)</strong>            <strong>ci</strong>
<strong>f'(ci)</strong>          <strong>f'(ci)</strong>
<strong>ec</strong>                <strong>ea</strong>
    <strong>_____</strong>    <strong>_____</strong>
<strong>____</strong>    <strong>_____</strong>
<strong>_____</strong>    <strong>_____</strong>
<strong>_____</strong>    <strong>_____</strong>
<strong>_____</strong>    <strong>_____</strong>

```

1	0	0	0.14555	1.1746e-05	11
0.0053564	1.1992	0.5	4.5455		
2	11	10.5	1.1961e-05	0.14555	11
0.0054056	1.1992	0.50004	4.7623		
3	11	11	1.2183e-05	1.1961e-05	10.998
0.0026905	1.1993	4.1098e-05	0.00037362		

```
diary off
```

