

Control Engineering

Root Locus using Scilab

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UMS KAMPUS RAHMAH
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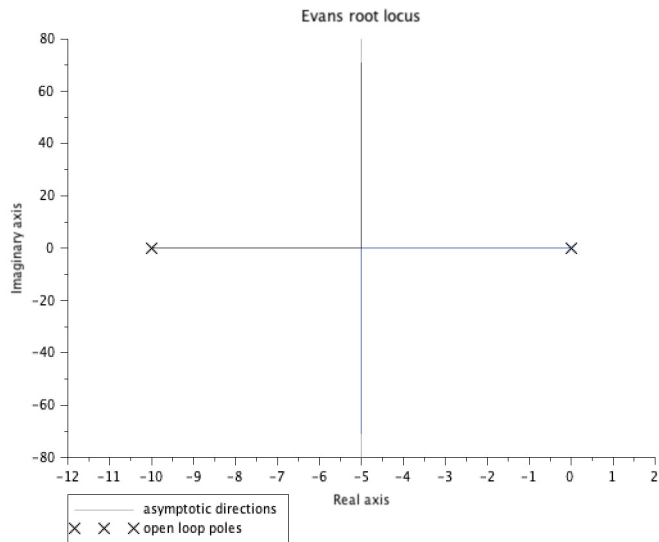
Transformasi Ke Arah
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INDUSTRI 4.0

Root Locus using Computer

With the aid of a computer, the root locus can be plotted.

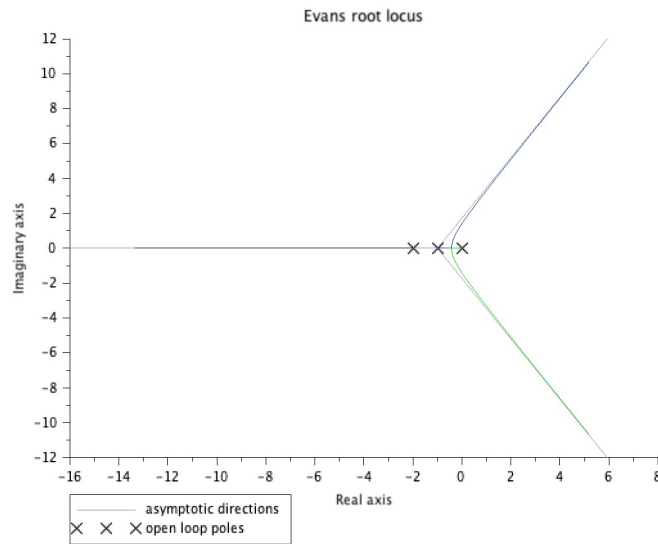
- Matlab (rlocus)
- Scilab (evans)
- Online simulator

https://help.scilab.org/docs/6.1.0/en_US/evans.html



```
--> s=poly(0, 's');  
--> L=syslin('c', 1/(s)/(s+10));  
--> evans(L);
```

Root Locus using Computer



```
--> s=poly(0, 's');
--> K=syslin('c', 1/(s)/(s+1)/(s+2));
--> evans(K);
```

```
--> s=poly(0, 's');
--> C=syslin('c', (s+3)*(s+4)/(s+1)/(s+2));
--> evans(C);
--> sgrid;
```

