
```
% DS rldesign.22
```

```
G = zpk([-20], [-10, -4, -1], 10);
```

```
Tr = 0.2;
```

```
OS = 25;
```

```
zeta = -log(OS / 100) / sqrt(pi^2 + log(OS / 100)^2)
```

```
zeta =
```

```
0.4037
```

From table exact.2

```
wn = 1.25 / Tr
```

```
wd = wn * sqrt(1 - zeta^2);
```

```
phi = -zeta * wn + wd * i
```

```
wn =
```

```
6.2500
```

```
phi =
```

```
-2.5232 + 5.7180i
```

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