```
copyfile(fullfile('/home/amock/matlab_workspace/
blatt01','findEpsilon.m'));
dbtype findEpsilon.m;
findEpsilon();
```

```
1     l = 0;
2     r = 1;
3     m = 0.5;
4
5     while(m~=l && m~=r)
6      if (1+m) > 1
7       r = m;
8      else
9       l = m;
10     end
11     m = (r+l)/2;
12    end
13
14    fprintf('\nepsilon=%e\n',r);
15    fprintf('\n(1+epsilon)-1=%e\n\n',(1+r)-1);
```

```
epsilon=1.110223e-16

(1+epsilon)-1=2.220446e-16
```

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