
Question Two

```
syms CD I n

b = -1 + n*(CD^2 + I^2)^(-1/2) * (CD) ==0;
pretty(solve(b,CD)) %Solves for the differentiated equation and ouputs
in pretty form

Warning: Solutions are valid under the following conditions: (n^2 -
1)^2 + (n -
1)*(n + 1) ~= 0 & I ~= 0 | n == -1 | n == 1;
(n^2 - 1)^2 + (n - 1)*(n + 1) ~= 0 & I ~= 0 | n == -1 | n == 1. To
include
parameters and conditions in the solution, specify the
'ReturnConditions' value
as 'true'.
/ I sqrt((n - 1) (n + 1)) \
/ ----- /
/          2 /
/      n  - 1 /
/          /
/ I sqrt((n - 1) (n + 1)) /
/ - ----- /
/          2 /
/      n  - 1 /
\          \
```

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