



Scilab 6.1.1 Console

enter the value for x=1

enter the value for y=2

enter the value for z=3

2.236068 63.434949 3.

"cartesian to cydrinical of p(r,p,z)"

--&gt;

Variable Browser

	Name	Value	Type	Visibility	Memory
	p	63.4	Double	local	216 B
	r	2.24	Double	local	216 B
	x	1	Double	local	216 B
	y	2	Double	local	216 B
	z	3	Double	local	216 B

Command History

```
5
// -- 10/02/2023 13:46:28 -- //
// -- 10/02/2023 13:47:03 -- //
1
2
4
// -- 10/02/2023 13:52:16 -- //
// -- 10/02/2023 13:54:01 -- //
// -- 10/02/2023 13:55:46 -- //
// -- 12/02/2023 15:56:48 -- //
1
2
3
```

News feed

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Scilab 6.1.1 Console

Enter the value of x=1

Enter the value of y=2

Enter the value of z=3

3.7416574 36.699225 63.434949

"Cartesian to Spherical coordinate system of S(r1 teta phi) ="

--&gt; |

Variable Browser

	Name	Value	Type	Visibility	Memory
	phi	63.4	Double	local	216 B
	r1	3.74	Double	local	216 B
	teta	36.7	Double	local	216 B
	x	1	Double	local	216 B
	y	2	Double	local	216 B
	z	3	Double	local	216 B

Command History

```
1
2
4
// -- 10/02/2023 13:52:16 -- //
// -- 10/02/2023 13:54:01 -- //
// -- 10/02/2023 13:55:46 -- //
// -- 12/02/2023 15:56:48 -- //
```

News feed

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Enter the value of r=1

Enter the value of teta=45

Enter the value of phi=45

0.5 0.5 0.7071068

"spherical to Cartesian coordinate system of S(x, y, z) ="

--> |

	Name	Value	Type	Visibility	Memory
	phi	45	Double	local	216 B
	r	1	Double	local	216 B
	teta	45	Double	local	216 B
	x	0.5	Double	local	216 B
	y	0.5	Double	local	216 B
	z	0.707	Double	local	216 B

```
4
-- 10/02/2023 13:52:16 -- //
-- 10/02/2023 13:54:01 -- //
-- 10/02/2023 13:55:46 -- //
-- 12/02/2023 15:56:48 -- //
1
2
3
1
2
3
1
45
```

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!





Enter the value of rho=1

Enter the value of phi=45

Enter the value of z=2

0.7071068 0.7071068 2.

"Cylindrical to Cartesian coordinate system of S(x, y, z) ="

-->

	Name	Value	Type	Visibility	Memory
	phi	45	Double	local	216 B
	rho	1	Double	local	216 B
	x	0.707	Double	local	216 B
	y	0.707	Double	local	216 B
	z	2	Double	local	216 B

```
// -- 10/02/2023 13:55:46 -- //  
// -- 12/02/2023 15:56:48 -- //  
1  
2  
3  
1  
2  
3  
1  
45  
1  
45  
2
```

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Enter the value of charge  $q=4e-8$

Enter the value of distance b/w two charges  $r=10e-2$

Enter the value of relative permittivity of the medium  $\epsilon_r=1$

0.0000003

"Electric Flux Density  $D=$ \_\_\_  $C/m^2$ "

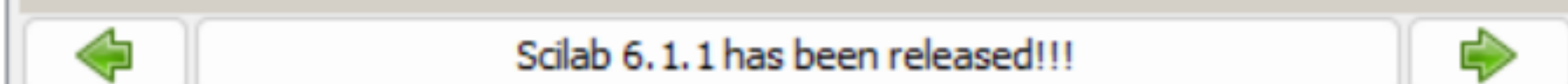
35950.970

"Electric Field  $E=$  \_\_\_ Newtons/Coulombs or  $V/m$ "

--> |

	Name	Value	Type	Visibility	Memory
	D	3.18e-07	Double	local	216 B
	E	3.6e+04	Double	local	216 B
	e0	8.85e-12	Double	local	216 B
	er	1	Double	local	216 B
	q	4e-08	Double	local	216 B
	r	0.1	Double	local	216 B

2  
3  
1  
45  
1  
45  
2  
4e-8  
10e-8  
1  
4e-8  
10e-2  
1



## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!







Enter the value of charge q:4e-8

Enter the value of distance b/w two charges r:2

Enter the value of length l:4

1.000D-08

"Linear Charge Density L:C/meter"

7.958D-10

"Surface Charge Density S:C/meter^2"

1.194D-09

"Volume Charge Density V:C/meter^3"

--> |

	Name	Value	Type	Visibility	Memory
	L	1e-08	Double	local	216 B
	S	7.96e-10	Double	local	216 B
	V	1.19e-09	Double	local	216 B
	l	4	Double	local	216 B
	q	4e-08	Double	local	216 B
	r	2	Double	local	216 B

4e-8  
10e-8  
1  
4e-8  
10e-2  
1  
4e-8  
6e-5  
10e-2  
1  
4e-8  
2  
4

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Scilab 6.1.1 Console

Enter the value of charge Q:1e-9

Enter the value of Point Ax:1

Enter the value of Point Ay:2

Enter the value of Point Bx:4

Enter the value of Point By:5

2.6157911

"ELECTRIC POTENTIAL DIFFERENCE BETWEEN TWO POINTS:"

--> |

Variable Browser

	Name	Value	Type	Visibility	Memory
	EPD	2.62	Double	local	216 B
	Q	1e-09	Double	local	216 B
	e0	8.85e-12	Double	local	216 B
	pointAx	1	Double	local	216 B
	pointAy	2	Double	local	216 B
	pointBx	4	Double	local	216 B
	pointBy	5	Double	local	216 B
	r1	2.24	Double	local	216 B

Command History

1  
4e-8  
6e-5  
10e-2  
1  
4e-8  
2  
4  
1e-9  
1  
2  
4  
5

News feed



Scilab 6.1.1 has been released!!!

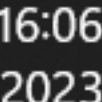
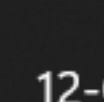
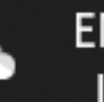


## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!







Enter the value of capacitance area A:0.01

Enter the value of thickness of medium-1 d1:0.002

Enter the value of thickness of medium-2 d2:0.003

Enter the value of thickness of medium-3 d3:0

Enter the value of relative permittivity of medium-1 er1:4

Enter the value of relative permittivity of medium-1 er2:3

Enter the value of relative permittivity of medium-1 er3:1

5.903D-11

"Capacitance of parallel plate capacitor in three different dielectric media :---Faraday"

-->

	Name	Value	Type	Visibility	Memory
	A	0.01	Double	local	216 B
	C	5.9e-11	Double	local	216 B
	d1	0.002	Double	local	216 B
	d2	0.003	Double	local	216 B
	d3	0	Double	local	216 B
	e0	8.85e-12	Double	local	216 B
	er1	4	Double	local	216 B
	er2	3	Double	local	216 B

```
4
1e-9
1
2
4
5
0.01
0.002
0.003
0
4
3
1
```

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Enter the value of radius of medium-1 r1:0.12

Enter the value of radius of medium-2 r2:0.16

Enter the value of relative permittivity of medium - er:1

1.780D-11

"Capacitance of an isolated sphere :---Faraday"

5.341D-11

"Capacitance of two concentric sphere :---Faraday"

-->

	Name	Value	Type	Visibility	Memory
	concentric	5.34e-11	Double	local	216 B
	e0	8.85e-12	Double	local	216 B
	er	1	Double	local	216 B
	isolated	1.78e-11	Double	local	216 B
	r1	0.12	Double	local	216 B
	r2	0.16	Double	local	216 B

2  
4  
5  
0.01  
0.002  
0.003  
0  
4  
3  
1  
0.12  
0.16  
1

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Enter the value of radius of medium-1 r1:0.02

Enter the value of radius of medium-2 r2:0.04

Enter the value of relative permittivity of medium - er1:2

1.605D-10

"Capacitance of co-axial cable per unit length :---Faraday/meter"

-->

	Name	Value	Type	Visibility	Memory
	coaxial	1.61e-10	Double	local	216 B
	e0	8.85e-12	Double	local	216 B
	er	2	Double	local	216 B
	r1	0.02	Double	local	216 B
	r2	0.04	Double	local	216 B

0.01  
0.002  
0.003  
0  
4  
3  
1  
0.12  
0.16  
1  
0.02  
0.04  
2



Scilab 6.1.1 has been released!!!



## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

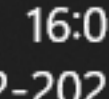
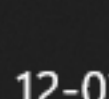
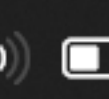
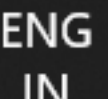
Wishing you a great journey in Scilab!



31°C  
Sunny



Search



16:08  
12-02-2023

2





Enter the value of relative permittivity of medium-er1:3

Enter the value of relative permittivity of medium-er2:1

Enter the value of teta2 of medium - teta2:45

71.565051

"tetal:"

-->

	Name	Value	Type	Visibility	Memory
	er1	3	Double	local	216 B
	er2	1	Double	local	216 B
	teta1	71.6	Double	local	216 B
	teta2	45	Double	local	216 B

0  
4  
3  
1  
-0.12  
-0.16  
1  
-0.02  
-0.04  
2  
3  
1  
45

Scilab 6.1.1 has been released!!!

## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Enter the value of relative permeability of medium-mr2:0.99

Enter the value of teta2 of medium-tetal:60

Enter the value of teta2 of medium-teta2:30

2.9700000

"relative permeability of medium-mr1:"

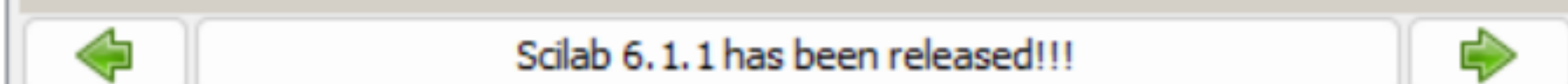
0.0000037

"permeability of medium-m1:"

-->

	Name	Value	Type	Visibility	Memory
	m1	3.73e-06	Double	local	216 B
	mr1	2.97	Double	local	216 B
	mr2	0.99	Double	local	216 B
	teta1	60	Double	local	216 B
	teta2	30	Double	local	216 B

1  
-0.12  
-0.16  
1  
-0.02  
-0.04  
2  
3  
1  
45  
-0.99  
60  
30



## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

Wishing you a great journey in Scilab!



Enter the value of magnetic field-H:3e-2

Enter the value of relative permeability-mr:250

Enter the value of magnetic flux-phi:7

Enter the value of rectangle length-l:50e-2

Enter the value of rectangle width-w:20e-2

70.

" Magnetic flux density-Binphi:Wb/m^2"

0.0000094

" Magnetic flux density-Binfield:Wb/m^2"

-->

	Name	Value	Type	Visibility	Memory
	Binfield	9.42e-06	Double	local	216 B
	Binphi	70	Double	local	216 B
	H	0.03	Double	local	216 B
	l	0.5	Double	local	216 B
	mr	250	Double	local	216 B
	phi	7	Double	local	216 B
	w	0.2	Double	local	216 B

0.04  
2  
3  
1  
45  
0.99  
60  
30  
3e-2  
250  
7  
50e-2  
20e-2



Scilab 6.1.1 has been released!!!



## Scilab 6.1.1 has been released!!!

Dear fellow users,

We have the pleasure to announce the release of the new version of Scilab. Check [here](#) to download and find more details about Scilab 6.1.1.

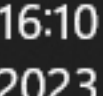
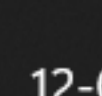
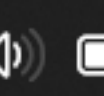
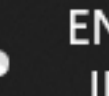
Wishing you a great journey in Scilab!



31°C  
Sunny



Search



16:10  
12-02-2023

2