

## Internal to final cond

### 2 Port network

Two port & impedance parameters:

#### ① Two port network

- \* A 4 terminal network with i/p port & o/p port
- \* The network characterised is completely described by  $V_1, I_1, V_2, I_2$

#### ② OC impedance parameter:

- \* sources  $i_1, i_2$  responses:  $V_1, V_2$

Admittance, hybrid transmission parameters:

- \* Not all two-port parameters are meaningful or measurable
- \* Admittance parameters
- \* Hybrid parameters
- \* Transmission parameters.

Circuit analysis with 2 ports:

- \* Terminated 2-port using Z-parameters
- \* Cascade connection using T-parameters
- \* Series connection using Z-parameters
- \* Parallel connection using Y-parameters

\* Port: It's pair of terminal which connect the electrical net of network to the external circuit.

python.

① web-based financial graph.

We will learn how to get stock market data  
in the form of python we use stock library to  
the stock market data & even pandas also

② downloading database with python :-

pandas data

→ install this library  
to jupyter notebook to deal with file called stock  
analysis.

→ data will taken from finance, pandas in library  
from pandas, datareadly import data.

data, data reader?

To get data from the source like yahoo we have  
to pass parameters.

data = datareader (name = "AAPL", data source "yahoo",  
start "end")

Then save the product in a variable then the  
stock market with append.

stock market data:

→ we can minimize the data to 10 days of any  
no of days of stock market

open - mean open show for the share in source  
like google, yahoo etc.