TechNode NodeOrder Property

From OpenDSSWiki

NodeOrder Property Added to CktElement Interface

In version 7.6.3.20, the **NodeOrder** property was added to the **CktElement** interface to give the node number to which a conductor is connected. Corresponds to the array values returned in **Voltages**, **Currents**, and **Powers** property. Users must use NodeOrder as a key because there is no guarantee that the conductors are connected to the same phase, or node number, on each side of a line, for example. You could transpose a line by altering the connections. This was an omission from the COM interface that was brought to our attention by a user. This avoids users having to write code to parse the Busnames string array to gives the text form of the bus connections.

Some sample VBA code:

```
Set DSSCktElement = DSSCircuit.ActiveElement
DSSCircuit.SetActive "Line.MyLine"
V = DSSCktElement.NodeOrder
For i = lbound(V) to Ubound(V): Debug.Print V(i): Next i
```

Changes to Bus Interface

Also, in the Bus interface, the **Voltages** and **puVoltages** properties now return the values in order from lowest node number to highest. Also, the **Nodes** property, which is used to interpret the phase of the values, was modified to correspond to the order of the Voltages.

--Rdugan 05:22, 3 September 2013 (UTC)

Retrieved from "http://localhost/mediawiki/index.php?title=TechNode_NodeOrder_Property&oldid=654"

- This page was last modified on 2 September 2013, at 21:22.
- This page has been accessed 99 times.