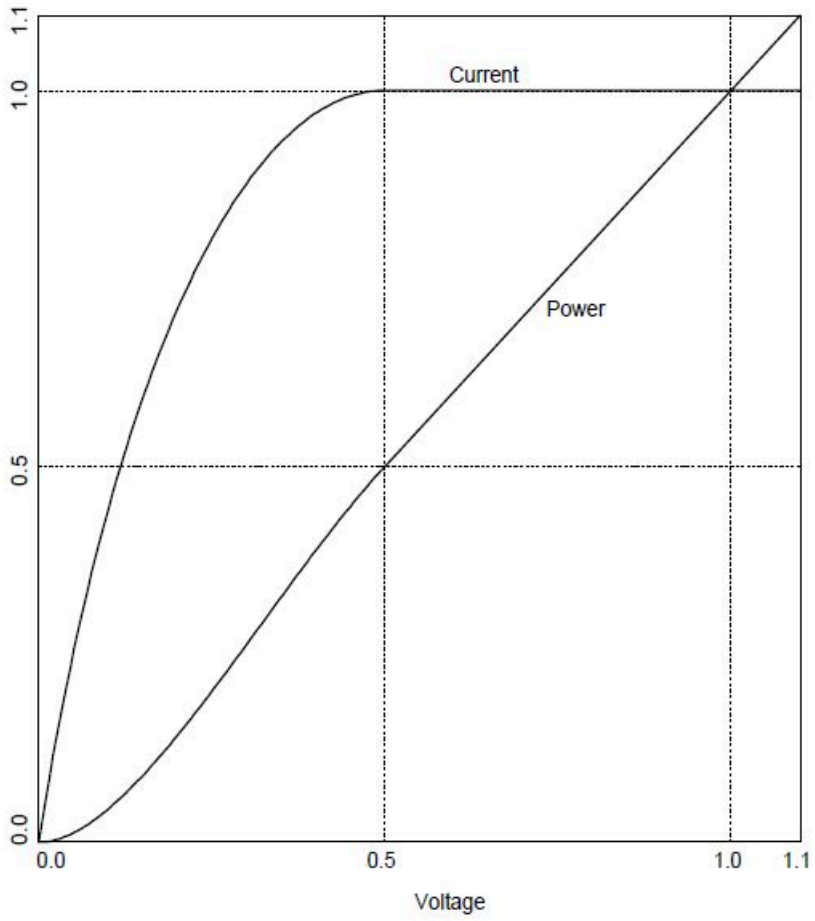
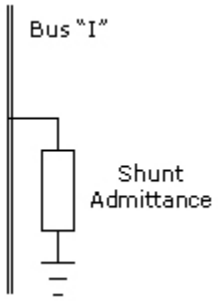


Figure 1.2. Constant Current Load Characteristics

1.9. Fixed Bus Shunt Data

Each network bus at which fixed bus shunt is to be represented must be specified in at least one fixed bus shunt data record. Multiple fixed bus shunts may be represented at a bus by specifying more than one fixed bus shunt data record for the bus, each with a different shunt identifier.



RAW Record Format

```
I, ID, STATUS, GL, BL
```

RAWX Data Table Format

```
"fixshunt":{
    "fields":["ibus", "shntid", "stat", "gl", "bl"],
    "data":[
        [151, "F1", 1, 5.0, -400.0],
        ...
        [3022, "1 ", 1, 0.0, 1080.0]
    ]
}
```

Field	RAWX Key	Description
I	ibus	Bus number, or extended bus name enclosed in single quotes (refer to Extended Bus Names). No default allowed
ID	shntid	One- or two-character uppercase non-blank alphanumeric fixed shunt identifier used to distinguish among multiple fixed shunts at bus I. It is recommended that, at buses for which a single fixed shunt is present, the fixed shunt be designated as having the fixed shunt identifier '1'. ID = '1' by default
STATUS	stat	Shunt status of one for in-service and zero for out-of-service. STATUS = 1 by default
GL	gl	Activecomponent of shunt admittance to ground; entered in MW at one per unit voltage. GL should not include any resistive impedance load, which is entered as part of load data. GL = 0.0 by default
BL	bl	Reactive component of shunt admittance to ground; entered in Mvar at one per unit voltage. BL should not include any reactive impedance load, which is entered as part of load data; line charging and line connected shunts, which are entered as part of non-transformer branch data; transformer magnetizing admittance, which is entered as part of transformer data; or switched shunt admittance, which is entered as part of switched shunt data. BL is positive for a capacitor, and negative for a reactor or an inductive load. BL = 0.0 by default

Fixed bus shunt data input is terminated with a record specifying a bus number of zero.

1.9.1. Fixed Shunt Data Notes

The area, zone, and owner assignments of the bus to which the shunt is connected are used for area, zone, and owner totaling purposes (e.g., in activities AREA, OWNR, and ZONE); refer to Section 14.7, "Summarizing