[COMPLEX RELUCTANCE OF INHOMOGENEOUS EULER-CAUCHY TUBULAR FERRITES TAKING INTO ACCOUNT FREQUENCY-DEPENDENT COMPLEX PERMEABILITY J. A. Brand˜ao Faria]

|  |  |  |
| --- | --- | --- |
|  | Electric | Magnetic |
| Skin Effect inclusion |  |  |
| Losses |  |  |
| Axial fields. Euler- Cauchy Equation | P is homogeneity parameter. | P is homogeneity parameter. |
| Stored Energy |  |  |
| Circuit laws |  |  |
|  |  |  |
|  |  |  |

[A Matrix Approach for the Evaluation of the Internal Impedance of Multilayered Cylindrical Structures]

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| --- | --- | --- |
|  | Electric | Magnetic |
|  | k is complex wave number |  |
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[FORMULATION OF MULTIWIRE MAGNETIC TRANSMISSION-LINE THEORY]

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| --- | --- | --- |
|  | Electric | Magnetic |
|  |  | is the flux rate. U is magnetic voltage. |
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[Matrix theory of wave propagation in hybrid electric/magnetic multiwire transmission line systems]

|  |  |  |
| --- | --- | --- |
|  | Electric | Magnetic |
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[MEEP]

|  |  |  |
| --- | --- | --- |
|  | Electric | Magnetic |
|  | **P** is polarization density |  |
| Lorentzian susceptibility |  |  |
| Susceptibility tensor |  |  |
| Non-linearity |  |  |
|  |  |  |
|  |  |  |
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