Abstracts

The Representation of Impedances with Negative Real Parts in the Projective Chart (Correspondence)

In a previous note, the authors considered the representation of active networks in the reflection coefficient chart. The projective chart is obtained from a stereographic projection onto a unit sphere and then from an orthographic projection from the sphere. It is immediately obvious that reflectances whose magnitude is greater than unity will lie within the unit circle of the projective chart. Therefore, each will coincide with another reflectance whose magnitude is less than unity.

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