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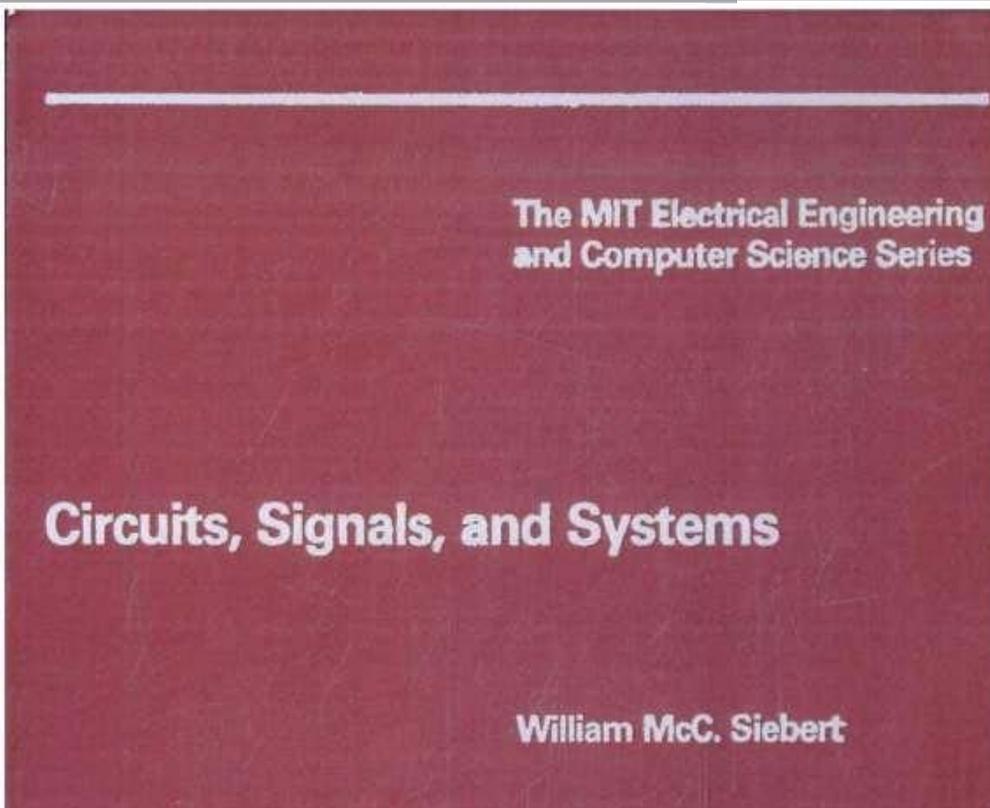
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Circuits, Signals, and Systems

By William McC. Siebert



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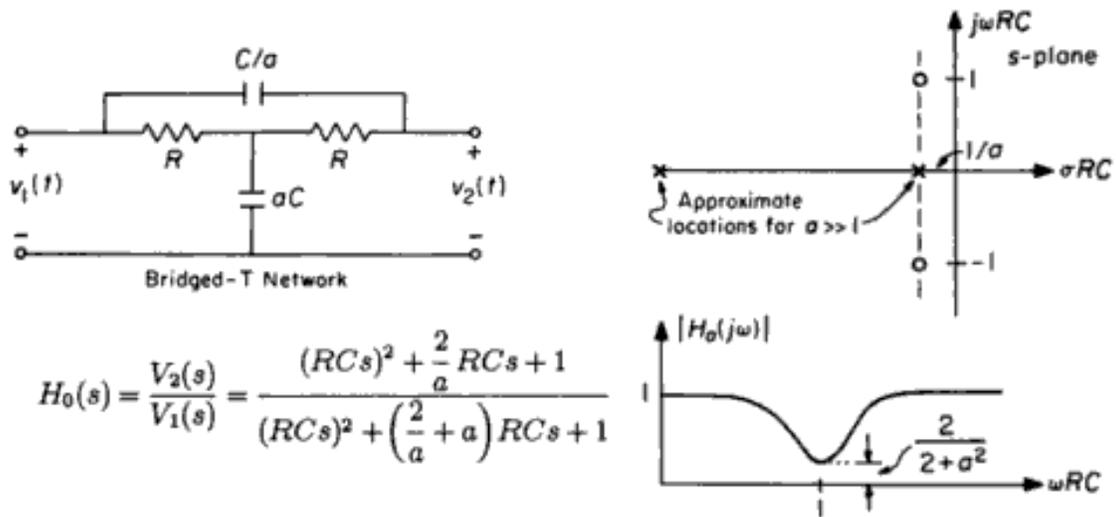


Figure 6.1-1. Bridged-T network.

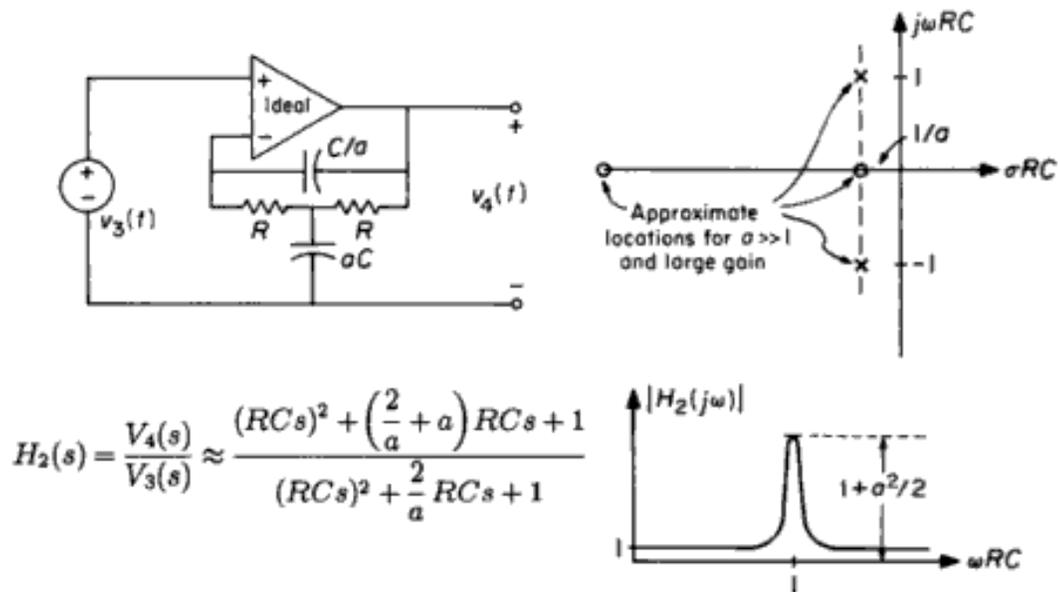


Figure 6.1-2. Approximate inverse of bridged-T transfer function.

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Note that, since the zeros of a passive transfer function may be in the right half-plane, attempts to realize the inverse of such a system may lead to an unstable structure with right half-plane poles. Instabilities in feedback systems can arise in many ways and set limits on the benefits that can be achieved with feedback, as we shall discuss in Section 6.3.