

### XXX. NETWORK SYNTHESIS

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#### RESEARCH OBJECTIVES

Our group aims to achieve an improved understanding of lumped, linear, finite, passive bilateral networks. During the coming year we shall be concerned primarily with the following problems:

1. Determination of fundamental properties of transformerless networks.
2. Development of synthesis procedures that lead to transformerless realizations.
3. Extension of known synthesis procedures to include new types of circuit elements.

Research is now under way on all three problems.

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