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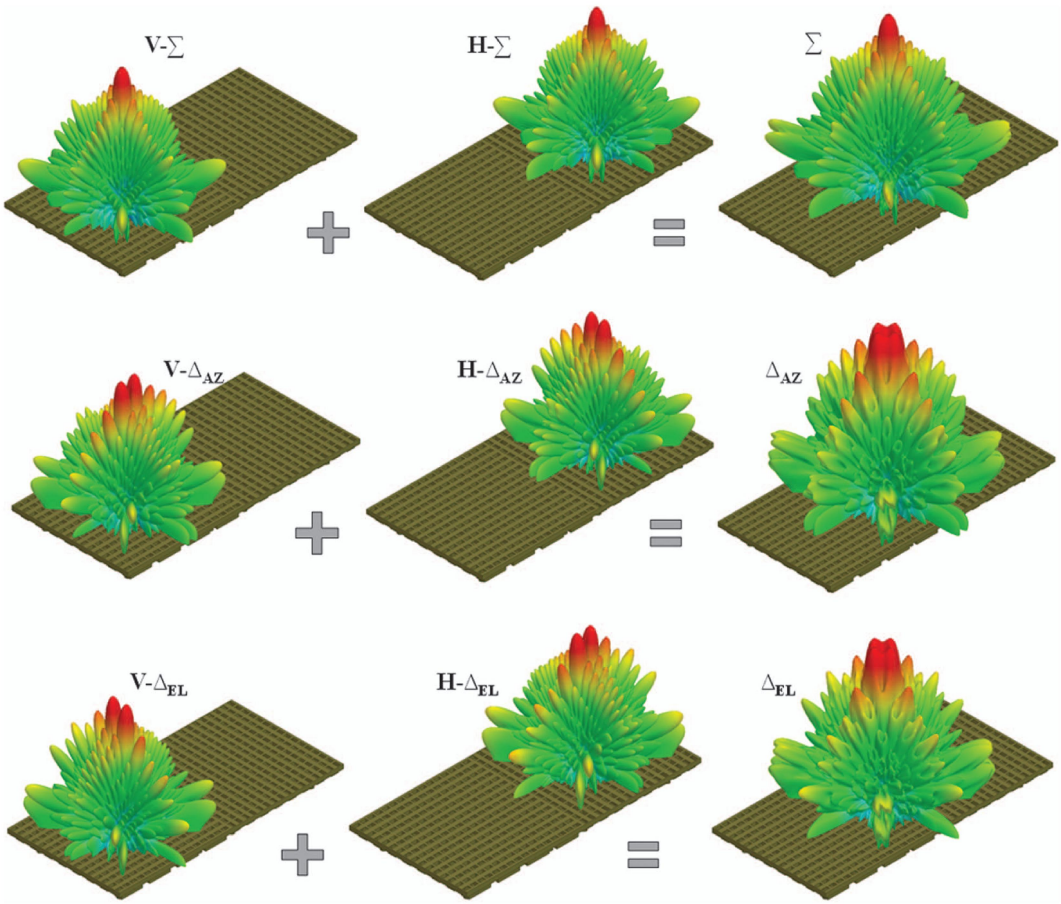

Synthesis of array radiation patterns for different monopulse scenarios.

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About the Cover: A wideband dual-polarized and dual-monopulse array has been developed for SAR system integration applications. This figure demonstrates the synthesis procedures of array radiation patterns for different monopulse scenarios. Different patterns can be generated by different combination of ports' excitation. When the Σ ports of horizontal and vertical polarizations are excited simultaneously, only a mainbeam will be generated in the broadside direction. While the Δ_{AZ} ports of the two polarizations are excited, a unique pattern of four-beam with a null at the center can be obtained. The pattern generation principle of the Δ_{EL} ports is the same as the Δ_{AZ} ones. For more information please see ''Wideband Dual-Polarized and Dual-Monopulse Compact Array for SAR System Integration Applications'' by Huang *et al.*, which begins on page 1203.