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Abstract. The research performed in this paper suggests that the radar cross section of an arbitrarily shaped object can be reduced by canceling the scattering from the object with the radiation from an antenna (implemented here as a microstrip antenna) placed on the surface of the object. Assuming that the direction of arrival of the incident signal is known, the radiation from the defending antenna can be adjusted in real-time to cancel the scattering from the object in order to produce ...

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