



Home About Us Contact Us View Cart My Account FAQ

username

LOGIN

[New Account »](#)  
[Forgot Password?](#)

CHAFF

GO

[Advanced Search »](#)

[Detection and Countermeasures](#) » [Active & Passive Radar Detection & Equipment](#)

### Bistatic Radar Cross Sections of Horizontally Oriented Chaff

Authors: [Peyton Z. Peebles Jr.](#); [FLORIDA UNIV GAINESVILLE ELECTRONIC COMMUNICATIONS LAB](#)

**Abstract:** Bistatic Radar Cross sections are determined for scattering from a cloud of randomly positioned resonant dipoles (**chaff**). Dipoles are assumed to be horizontally oriented with axes randomly oriented in the horizontal plane. The cloud is arbitrarily located relative to an illuminating source having an arbitrary (elliptical) polarization. Cloud cross section is found for an arbitrarily located receiver that views the cloud with an antenna of arbitrary polarization. A cross section applicable to the receiver's orthogonal polarization is also found.

Adobe PDF - \$19.95

Printed Format - \$22.95

ADD TO CART

Please check the box for the format you wish to order.

**Limitations:** APPROVED FOR PUBLIC RELEASE

**Description:** Contractor rept.

**Pages:** 40

**Report Date:** MAR 1984

**Contract Number:** DAAK21-83-C-0062

**Report Number:** A309041

[Shipping Terms](#)  
[About Electronic Delivery](#)

[Email This Abstract](#)

**Keywords relating to this report:**

- ✦ [\\*BISTATIC DETECTION](#)
- ✦ [\\*BISTATIC RADAR](#)
- ✦ [\\*CHAFF](#)
- ✦ [\\*ELECTROMAGNETIC SCATTERING](#)
- ✦ [\\*RADAR CROSS SECTIONS](#)
- ✦ [ANTENNAS](#)
- ✦ [CLOUDS](#)
- ✦ [CROSS SECTIONS](#)
- ✦ [DIPOLES](#)
- ✦ [HORIZONTAL ORIENTATION](#)
- ✦ [ILLUMINATION](#)
- ✦ [ORTHOGONALITY](#)
- ✦ [POLARIZATION](#)
- ✦ [RADAR ANTENNAS](#)
- ✦ [RADAR RECEIVERS](#)
- ✦ [RADAR TRANSMITTERS](#)
- ✦ [RECEIVERS](#)
- ✦ [RESONANCE](#)
- ✦ [SOURCES](#)
- ✦ [TRANSMITTERS](#)

[« Back to search](#)

[Home](#) | [About Us](#) | [Contact Us](#) | [View Cart](#) | [Customer Service](#) | [Shipping Terms](#) | [Advanced Search](#) | [Privacy Policy](#) | [Restrictions on PDF Usage](#)

© 2001-983 Storming Media LLC. All rights reserved.