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DESCRIPTORS: Broadband antennas, Antennas,  
Direction finding, Installation.

(Engineering--Electronic, TT, v. 10, no. 5)

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Trans. of Archiv für Elektrotechnik (Germany) 1941,  
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DESCRIPTORS: \*Antenna radiation patterns, Antennas,  
Electric current, Electric potential, Distribution,  
Partial differential equations, Vector analysis,  
Electrical impedance, Electromagnetic waves.

After reducing the field variables  $\vec{E}$  and  $\vec{H}$  to the vector  
potential  $\vec{A}$  and a scalar potential  $\phi$ , the transmission  
equations of the radiating antenna are derived in exact  
form and compared to the usual theory of two-wire  
transmission lines. Based on the ratio of the vector  
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Zin'kov, Z.E., Badrma, E.A., and Zakharova, N.G.  
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 (Phase Distribution of Nitric Acid in Continuous Nitration of Benzene)  
 Order ref. CTS, ETC or CNRS SO. 80 TT-62-29305

TT-62-29305

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DESCRIPTION: Benzene, Nitric acid, Phase studies, Nitration.

(Chemical Abstracts, 57, v. 11, no. 8)

Office of Technical Services  
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DD

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