

Abstracts

The work of Jagadis Chandra Bose: 100 years of mm-wave research

D.T. Emerson. "The work of Jagadis Chandra Bose: 100 years of mm-wave research." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 553-556.

Just one hundred years ago, J.C. Bose described to the Royal Institution in London his research carried out in Calcutta at millimeter wavelengths. He used waveguides, horn antennas, dielectric lenses, various polarizers and even semiconductors at frequencies as high as 60 GHz. Some concepts from his original 1897 papers have been incorporated into a new 1.3-mm multi-beam receiver now in use on the NRAO 12 Meter Telescope.

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