

Tsutae Shinoda
Fellow
Fujitsu Laboratories, Ltd.,
Japan



Dr. Tsutae Shinoda received the B.E. and M.E. degrees from Hiroshima University, Hiroshima, Japan, in 1971 and 1973, respectively. In 1973, he joined Fujitsu Laboratories, Akashi, Japan, where he developed plasma display panel technologies and has engaged in the development of color surface discharge ac plasma display panels since 1979. He has also developed a three-electrode surface-discharge structure and an address, display period separation (ADS) sub-field method for a high-level gray scale display. Under basic technologies, his team developed a world first practical 21-in-diagonal full-color plasma display in 1992 and a 42-in-diagonal full-color plasma display in 1995. He is currently a Fellow of Fujitsu Laboratories Limited, Japan and he is also with visiting professor of Institute of Industrial Science, University of Tokyo, Japan.

Dr. Shinoda received his Ph.D. degrees of electro-communication engineering from Tohoku University, Sendai, Japan in 2000. He is a fellow of SID and a member of the Institute of Image Information and Television Engineering. He received the Japan prime minister patent award in 2002 and received the Kerl Ferdinand Braun Prize in 2003. He received the Purple Ribbon Medal in Japan in 2004

Key Note

Progress in plasma technologies for Extra-large Screen Displays

A 42-inch plasma display was developed by Fujitsu Ltd. in 1995, which opened the door to the new world of large screen flat-panel displays. For these ten years, plasma displays have won on the great successful story from both the business and technical points of view. The latest development enabled us to build a 100-inch plasma display, and some of the new technical approaches are going to achieve a new plasma display with a screen size of as large as over 200 inches. Especially, plasma tube arrays are to be noticed as the new technology that goes to achieve ultra-thin, light-weight and flexible displays having low power consumption at the same time. Prototype display of 0.5 x 1-m screen size was fabricated and its weight was measured at 0.6 kg.

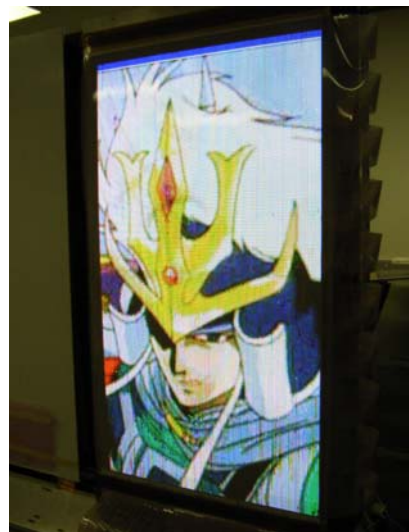
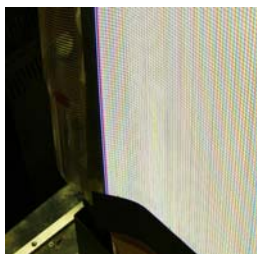
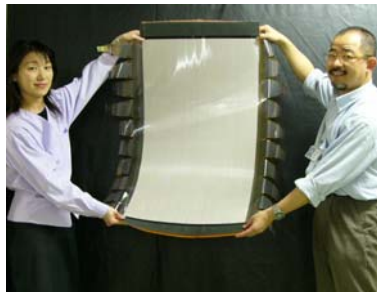


Fig 500 mm x 1000 mm Prototype Display