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Stephen Bruce Sontz* (sontz@cimat.mx), Jalisco s/n, Mineral de Valenciana, 36240 Guanajuato, Gto., Mexico. *Some recent developments in Segal-Bargmann analysis*. Preliminary report.

We will report on some of the most recent developments in Segal-Bargmann analysis, including deformations of the standard theory. Generalizations of the Segal-Bargmann space, of the Segal-Bargmann transform and of the number (or harmonic oscillator) operator will be considered. (Received December 10, 2003)