

Meeting: 1000, Albuquerque, New Mexico, SS 8A, Special Session on Interactions in Riemannian Geometry

1000-53-95 **Yat Sun Poon*** (ypoon@ucr.edu), Department of Mathematics, University of California,
Riverside, CA 92521. *Kodaira surface, its extended deformation and mirror image.*

We present the extended Kuranish space for Kodair surface as a non-trivial example to Kontesevich and Barannikov's extended deformation theory, and an example of Hertling-Manin's weak Frobenius manifold. In addition, we find that Koraira surface is its own mirror image. (Received August 18, 2004)