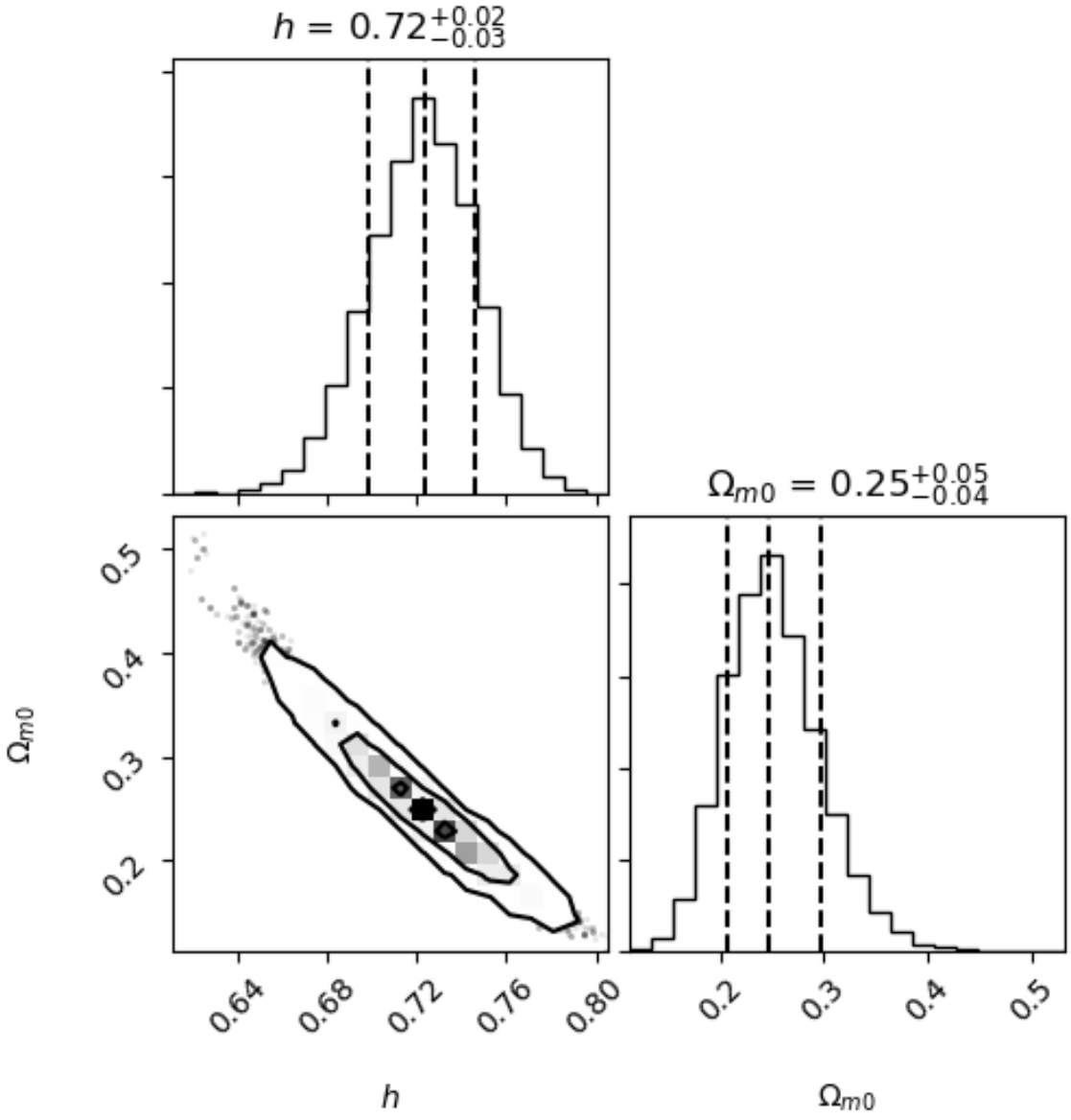
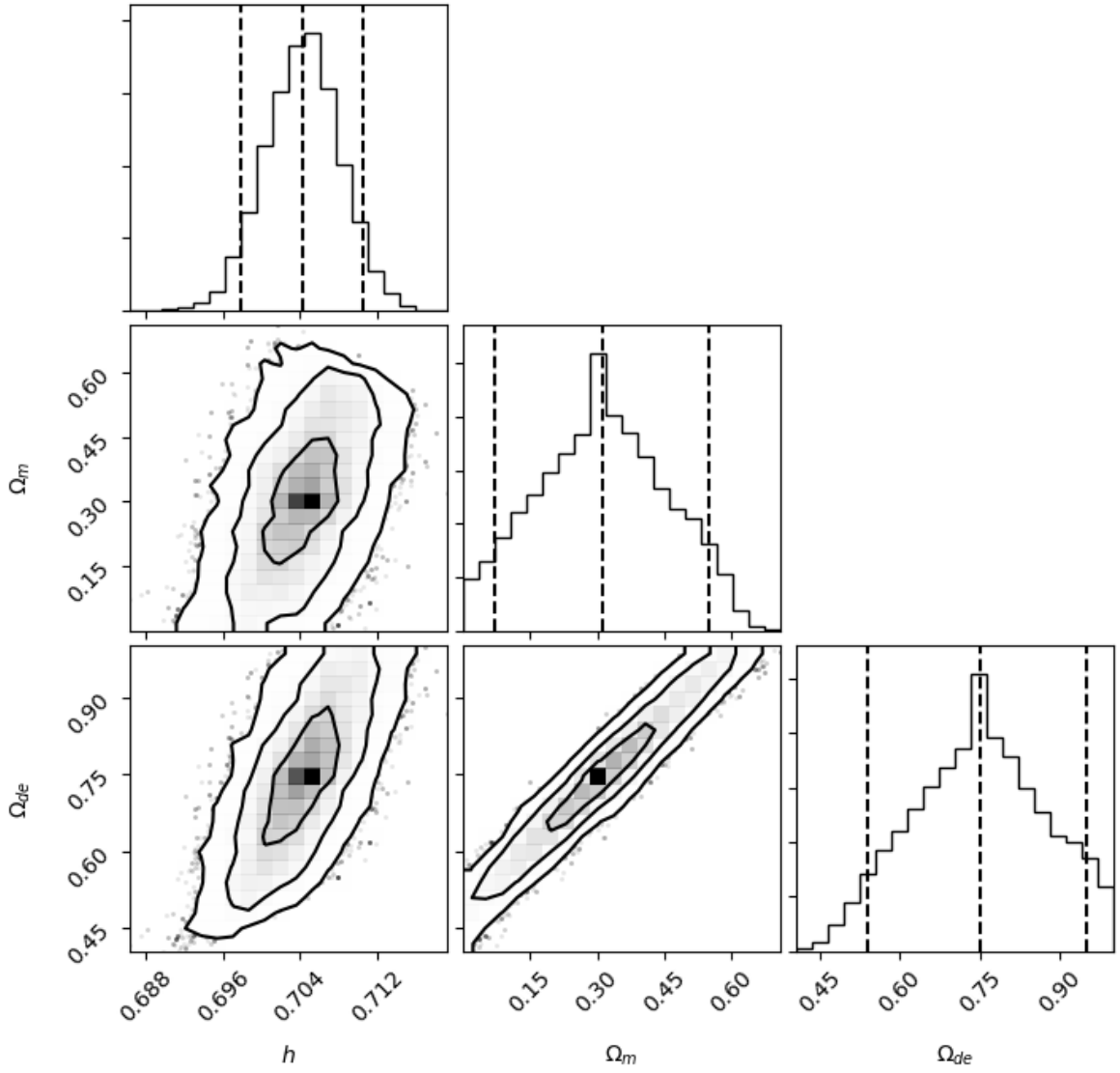
Result.

1) flat LCDM model for supernova data: only matter and dark energy.



2) Non-flat LCDM model:

Matter and dark energy and curvature. triangle plot for matter and dark energy. The results are similar to those in the article "AN EVALUATION OF COSMOLOGICAL MODELS FROM EXPANSION AND GROWTH OF STRUCTURE MEASUREMENTS" .



result from article that was mentioned above :

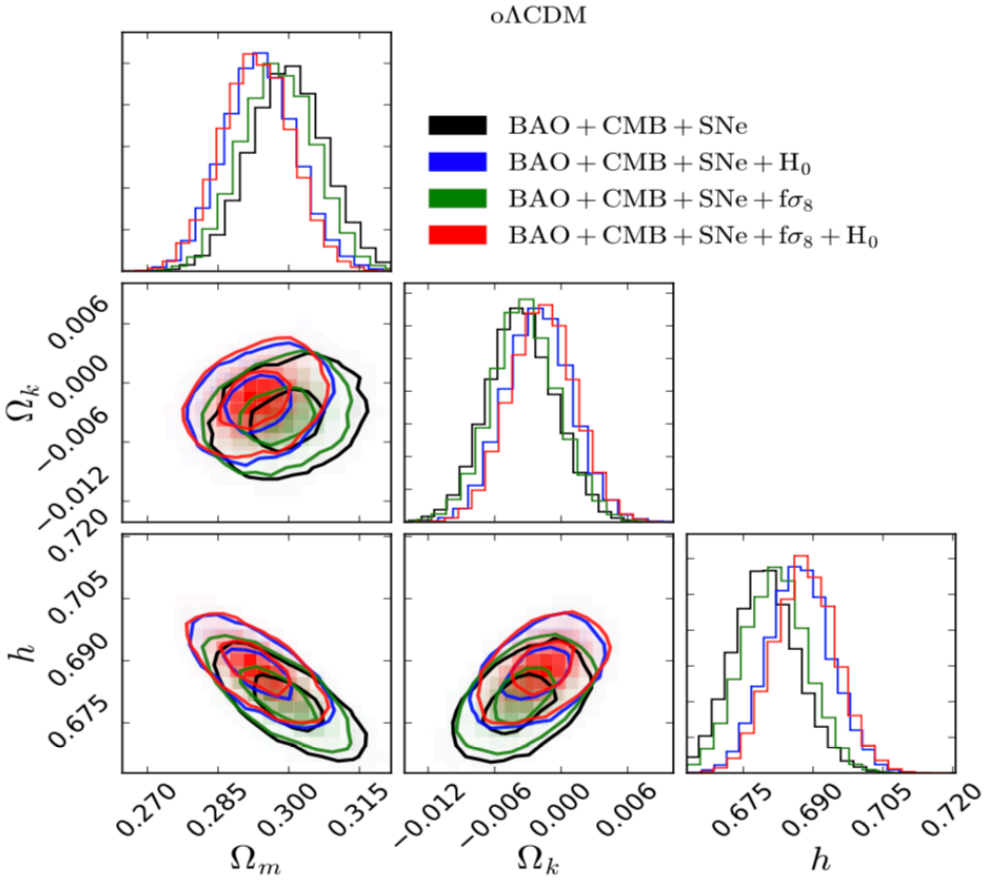


Figure 6. The 68.7% and 95.0% confidence regions of the parameters for the non-flat ΛCDM. The diagonal panels show the one-dimensional probability distribution functions. The data combinations used are: BAO+CMB+SNe (black), BAO+CMB+SNe+H_0 (blue), BAO+CMB+SNe+$f\sigma_8$ (green), and BAO+CMB+SNe+$f\sigma_8$+H_0 (red). The color coding for the constraint results in the following sections is the same.

3)

Dark energy, matter and equation of state. w is not fixed and it was obtained w = -1.07.