$$\sum_{i\neq k} a_{i\bar j k}\, dz_k\wedge dz_i\wedge d\bar z_j = 0$$

if $i\neq k$, $a_{i\bar j k} = a_{k\bar j i}$

$$a_{i\bar j\bar k} = \overline{a_{j\bar i k}}$$

if $i=k$, $a_{i\bar j k} = a_{k\bar j k}$

$a_{k\bar j i} = a_{k\bar j k}$ //

$\Rightarrow$ $a_{i\bar j k} = a_{k\bar j i}$.

equivalent

$$a_{i\bar j\bar k} = a_{ik\bar j}$$

$$\overline{a_{j\bar i k}} = \overline{a_{k\bar i j}} \Rightarrow a_{j\bar i k} = a_{k\bar i j} \quad \text{if } k\neq j$$

We want to find a change of coordinates

$$z_k = w_k + \frac{1}{2}\sum b_{klm} w_l w_m \Rightarrow$$

diffeomorphic, even holomorphic

$\left(\frac{\partial z_k}{\partial w_n}\right) = \delta_{kn}$ at the origin

$w(0)=0$ i.e. $w_l(0)=0$,

such that $\omega = \frac{i}{2}\sum(\delta_{ij} + [2])\, dw_i\wedge d\bar w_j$ $(*)$;

we normalize by requiring $b_{klm} = b_{kml}$.

Then $dz_k = dw_k + \sum b_{klm} w_l\, dw_m$

so that $\frac{2}{i}\omega = \sum (dw_i + \sum b_{ilm} w_l\, dw_m)\wedge \sum(d\bar w_i + \sum \overline{b_{ipq}}\, \bar w_p\, d\bar w_q) + \sum(a_{i\bar j k} w_k + a_{i\bar j\bar k}\bar w_k)\, dw_i\wedge d\bar w_j + [2]$.

$= \sum\left(\delta_{ij} + \sum_k (a_{i\bar j k} w_k + a_{i\bar j\bar k}\bar w_k + b_{jki} w_k + \overline{b_{ikj}}\,\bar w_k)\right) dw_i\wedge d\bar w_j$
$+ [1]$.