$$\Rightarrow \quad \iota(v)\cdot\tilde{\tau} = \sum_{i,j,k} (\Gamma^j_{ki} - \Gamma^j_{ik})\, v^i \cdot \frac{\partial}{\partial z_j} \otimes dz_k. \quad \lrcorner$$

Thus the tensor $E = +Dv + \iota(v)\cdot\tilde{\tau}$

$$= + \sum_{j,k} \left\{ \frac{\partial v^j}{\partial z_k} + \sum_i \Gamma^j_{ki} v^i \right\} \frac{\partial}{\partial z_j} \otimes dz_k$$

is a well-defined global section of the holomorphic vector bundle $T' \otimes T'^*$, and

$$\bar\partial E = \div \sum \left(\frac{\partial}{\partial \bar z_l} \left\{ \frac{\partial v^j}{\partial z_k} + \sum \Gamma^j_{ki} v^i \right\} \cdot \frac{\partial}{\partial z_j} \otimes dz_k \right) d\bar z_l$$

$$= - \sum \left(\frac{\partial \Gamma^j_{ki}}{\partial \bar z_l} \cdot v^i \cdot \frac{\partial}{\partial z_j} \otimes dz_k \right) d\bar z_l .$$

$\ulcorner$ $E = +Dv + \iota(v)\cdot\tilde{\tau}$

$$= + \sum_{j,k} \left(\frac{\partial v^j}{\partial z_k} + \sum_i \Gamma^j_{ik} v^i \right) \frac{\partial}{\partial z_j} \otimes dz_k$$

$$+ \sum_{i,j,k} (\Gamma^j_{ki} - \Gamma^j_{ik})\, v^i \cdot \frac{\partial}{\partial z_j} \otimes dz_k$$

$$= + \sum \frac{\partial v^j}{\partial z_k} \frac{\partial}{\partial z_j} \otimes dz_k + \sum_{i,j,k} \Gamma^j_{ki} v^i \frac{\partial}{\partial z_j} \otimes dz_k$$

$$= \sum_{j,k} \left\{ \frac{\partial v^j}{\partial z_k} + \sum_i \Gamma^j_{ki} v^i \right\} \frac{\partial}{\partial z_j} \otimes dz_k . \in A^{1,1}$$

$Dv \in \Gamma(T'^*M \otimes T'M)$

$\iota(v) \in \Gamma(T'^*M \otimes T'M)$

$$\bar\partial E = \sum \left(\frac{\partial}{\partial \bar z_l} \left\{ \frac{\partial v^j}{\partial z_k} + \sum \Gamma^j_{ki} v^i \right\} \cdot \frac{\partial}{\partial z_j} \otimes dz_k \right) d\bar z_l$$

$$= \sum \left(\frac{\partial \Gamma^j_{ki}}{\partial \bar z_l} \cdot v^i \frac{\partial}{\partial z_j} \otimes dz_k \right) d\bar z_l . \quad \lrcorner$$