

## Erratum: Aberrant CR structures

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### Erratum to: Hokkaido Math. J. Vol. 12 (1983), 276–292

There is an error in the paper [1]. It was asserted that the complex vector fields of equation (4.10) define a CR structure. In general, they do not. As a consequence Theorem 1 must be modified and Theorem 2 discarded.

Here is the correct version of Theorem 1. Condition (0.6) is the requirement that the Levi form has  $n - 1$  eigenvalues of one sign while the remaining eigenvalue is of the opposite sign.

**Theorem 1** *Let the CR structure  $\mathcal{C}$  on  $\Omega$  satisfy Condition (0.6). Then given any point  $p_0$  of  $\Omega$ , there is a CR structure  $\tilde{\mathcal{C}}(p_0)$  in a neighborhood of  $p_0$ , also satisfying (0.6), agreeing with  $\mathcal{C}$  to infinite order at  $p_0$  and such that the following is true:*

*The differential at  $p_0$  of every germ at  $p_0$  of a CR function (in the sense of  $\tilde{\mathcal{C}}(p_0)$ ) of class  $C^1$ , vanishes.*

The existence of an aberrant system of vector fields is now an open question (except in three dimensions, see [2]).

### References

- [ 1 ] Jacobowitz H. and Treves F., *Aberrant CR structures*. Hokkaido Math. J. **12** (1983), 276–292.
- [ 2 ] Jacobowitz H. and Treves F., *Nowhere solvable homogeneous partial differential equations*. Bull. AMS, (New Series) **8** (1983), 467–469.