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  - ：Nambu-Poisson Cohomology
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Let \((M, \eta)\) be an m-dimensional Nambu-Poisson manifold. We are interested in a Nambu-Poisson tensor η whose order is smaller than m and which has singularity at the origin. Then we compute Nambu-Poisson cohomology with respect to such a tensor η. More precisely, we compute Nambu-Poisson cohomology in case of \((\mathbb{R}^4,\eta)\) , where η is a Nambu-Poisson tensor of order 3 with singularity at the origin. In particular, if η is exact, we know that Nambu-Poisson cohomology coincides with *relative cohomology*, which has studied by B. Malgrange et al.

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