

Results of my research.

[1] (with T. Noda): In this paper, we clarify relation between simple pseudo-Hermitian symmetric pairs and simple para-Hermitian symmetric ones.

[2] (with T. Noda): In this paper, we study necessary and sufficient conditions for Poisson structures (or presymplectic structures) to bring about a symplectic structure.

[3]: In this paper, we classify simple irreducible pseudo-Hermitian symmetric spaces without Berger's classification.

[4]: In this paper, we give a method of determining the centralizer of an elliptic element of a real semisimple Lie algebra.

[5], [6] (with S. Maeda), [7], [9], [10], [12], [13], [14]: In these papers, we study sufficient conditions for isotropic immersions to be parallel.

[8]: In this paper, we clarify the structure of symplectic homogeneous space G/H with G non-compact semisimple and H compact.

[11]: In this paper, we construct an example of a disconnected real Lie group (G, \cdot) whose Lie algebra admits a complex structure and which cannot become a complex Lie group with respect to the same group operation " \cdot ".