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Nobutaka Nakazono* (nobua.n1222@gmail.com), Department of Physics and Mathematics,
Aoyama Gakuin University, Sagamihara, Kanagawa 229-8558, Japan. *Reduction from ABS
equations to the Painlevé equations.*

In this talk, we show a reduction of a system of ABS equations to the Painlevé equations. Using this relation we construct the Lax representations of the Painlevé equations. This work has been supported by a JSPS KAKENHI Grant Number JP17J00092. (Received September 09, 2017)