

**RELATIONS AND FUNCTIONAL EQUATIONS OF THE
ZETA FUNCTIONS FOR THE SPACE OF BINARY CUBIC
FORMS
(JOINT WORK WITH Y. OHNO AND S. WAKATSUKI)**

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We give certain explicit relations of the zeta functions for the space of binary cubic forms. Such zeta functions were first introduced by Shintani, and analytic properties such as functional equations were known. Using our relation formulas, we rewrite the functional equation in a self dual form. These can be regarded as a continuation of works of Ohno and Nakagawa.
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