Exposé court

65   *The transcendence and distribution of Euler-Kronecker constants*

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The Euler-Kronecker constant of a number field K is the ratio of the constant and the residue of the Laurent series of the Dedekind zeta function $\zeta_K(s)$ at $s = 1$. Ihara gave a conjectural upper bound of the absolute value of the Euler-Kronecker constant of a cyclotomic field. We will talk about some known results in support of this conjecture and introduce our results in an analogous setup. We will also discuss the transcendence of generalized Euler-Kronecker constants.