

Graph Theory, $SO(n)$ Current Algebra and the Virasoro Master Equation^{*}

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Abstract. We announce an isomorphism between a set of generically irrational affine-Virasoro constructions on $SO(n)$ and the unlabelled graphs of order n . On the one hand, the conformal constructions are classified by the graphs, while, conversely, a group-theoretic and conformal field-theoretic identification is obtained for every graph of graph theory. High-level expansion provides a strong argument that each construction is unitary down to some finite critical level.

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