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Torelli problem for logarithmic sheaves

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SUMMARY

A very natural question, that rises in the study of logarithmic sheaves, is to which degree the sheaf $\Omega^1_X(\log D)$ determines the divisor D. Whenever the logarithmic sheaf determines unambiguously the original divisor, such a property, called the Torelli property, often allows to give a nice description of the sheaves in the corresponding moduli space. In this talk we will study the Torelli problem for generalized logarithmic sheaves and, if time allows it, for other special families of divisors.

This is a joint work with S. Huh, J. Pons-Llopis and J. Vallès.

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