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cases	authors	• Baykur, R. • Margalit, D.	**authors**: • R. Inanc Baykur • Dan Margalit **title**: Lefschetz fibrations and Torelli groups **publication_date**: 2012-10-29 20:16:39+00:00 **source**: SupportedSources.ARXIV **journal**: None **volume**: **doi**: **urls**: • http://arxiv.org/pdf/1210.7824v1 • http://arxiv.org/abs/1210.7824v1 • http://arxiv.org/pdf/1210.7824v1 **id**: id6703470699839835193 **abstract**: For each g > 2 and h > 1, we explicitly construct (1) fiber sum indecomposable relatively minimal genus g Lefschetz fibrations over genus h surfaces whose monodromies lie in the Torelli group, (2) fiber sum indecomposable genus g surface bundles over genus h surfaces whose monodromies are in the Torelli group (provided g > 3), and (3) infinitely many genus g Lefschetz fibrations over genus h surfaces that are not fiber sums of holomorphic ones. **versions**:	DUPLICATES	684
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