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**Zeljko Cuckovic** and **Trieu Le\*** (trieu.le2@utoledo.edu). *Adjoints of linear fractional composition operators on weighted Hardy spaces.* Preliminary report.

It is well known that on the Hardy space  $H^2(\mathbb{D})$  or weighted Bergman space  $A_\alpha^2(\mathbb{D})$  over the unit disk, the adjoint of a linear fractional composition operator equals the product of a composition operator and two Toeplitz operators. On  $S^2(\mathbb{D})$ , the space of analytic functions on the disk whose first derivatives belong to  $H^2(\mathbb{D})$ , Heller showed that a similar formula holds modulo the ideal of compact operators. I will discuss what the situation is like on other weighted Hardy spaces. (Received January 14, 2015)