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Hui Xue* (huixue@clemson.edu), Clemson, SC 29634. *Heights of higher weight Heegner cycles*. Preliminary report.

I will talk about the computation of the height pairing between certain Heegner cycles on the Kuga-Sato variety associated to a higher weight modular form. The relationship with the Gross-Zagier formula will also be addressed. (Received September 17, 2007)