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# **Trivial zeros of p-adic L-functions** at near central points

#### **Denis Benois**

(Submitted on 6 Jul 2011 (v1), last revised 6 Sep 2012 (this version, v2))

Using the \$\scr L\$-invariant constructed in our previous paper we prove a Mazur-Tate-Teitelbaum style formula for derivatives of p-adic L-functions of elliptic modular forms at near central points. In the second version of the paper the case of potentially crystalline reduction is also covered.

Comments: 32 pages

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