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Recently, because of Langlands' proposals regarding the stable trace formula ('Beyond endoscopy'), it has become important to find explicit formulas for orbital integrals  $\langle O_\gamma, f \rangle$  where  $g$  is a regular semi-simple element in the  $p$ -adic group  $G$  and  $f$  a function in the Hecke algebra. Work of Waldspurger, extended by Joyner, gives us such a formula, but it has not so far been clear how practical it is. I'll explain recent work on this question. (Received September 11, 2019)