1062-68-196   **Micha Hofri*** (`hofri@wpi.edu`), Department of CS, WPI, 100 Institute Road, Worcester, MA 01609-2280. *Revisiting Quick Sort with Repeated Keys.* Preliminary report.

We revisit developments of the Quick Sort algorithm designed to handle efficiently files with many repeated values, a common situation in data processing. The measure of interest is the number of comparisons. While their expected number has been available, the variance is not, and it is of interest, due to the relatively large variance ratio of this measure. A computation and some numerical examples are given. (Received August 08, 2010)