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General dispersion and condensation in Nottingham.

By the “Nottingham group” we understand the set of series $xg(x)$ over a finite field, with $g(0) = 1$, the group law being given by composition of power series. This note places in a broader context the familiar homomorphism defined on the Nottingham group that takes $xg(x)$ to $xg(x^m)^{1/m}$, m being any positive integer prime to the characteristic. As consequence, one gets a partial but still informative description of the normalizer and centralizer in Nottingham of any finite subgroup. (Received November 01, 2011)