1043-13-122   **Eric Edo** (`edo@univ-nc.nc`), **Arno van den Essen*** (`essen@math.ru.nl`) and **Stefan Maubach** (`s.maubach@science.ru.nl`). *A note on $k[z]$-automorphisms in two variables.* Preliminary report.

A method is discussed to construct $k[z]$-coordinates of $k[x, y, z]$ by starting with automorphsms in one variable over a coefficient ring with nilpotent elements. It is shown that the non-tame automorphisms of $k[x, y, z]$ correspond with the non-tame automorphisms in one variable. In particular it follows that the Nagata-automorphism corresponds with the simplest non-tame automorphism in one variable. (Received August 23, 2008)

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