1048-13-151   **Marco Fontana*** (`fontana@mat.uniroma3.it`), Largo S. Leonardo Murialdo, 1, Dipartimento di Matematica, Universita degli Studi Roma Tre, 00146 Rome, Italy, and **Gyu Whan Chang**, Department of Mathematics, University of Incheon, Incheon, 402-749, South Korea. *Star and semistar operations in polynomial extensions.* Preliminary report.

The purpose of this talk is to present some of the results contained in two recent papers, joint with G. W. Chang, concerning the problem of extending, in a canonical way, a star or a semistar operation defined on an integral domain D to the polynomial ring $D[X]$. I will also compare different approaches to this problem considered by several authors with various motivations.

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