1041-14-177   **Leslie G. Roberts*** (`robertsl@mast.queensu.ca`). *Hilbert functions of monomial curves.*

These days one can do computer experiments quite readily with Hilbert functions. I will discuss several cases where one can easily find by computer search monomial curves with interesting Hilbert functions or free resolutions, and also cases where one might be lead astray by computer searches. (Received August 10, 2008)