1035-01-396   **John W Dawson*** (`jwd7too@comcast.net`), 393 Waters Road, York, PA 17403-4751. *Priority arguments are not priority disputes.* Preliminary report.

Priority disputes are as common in mathematics as in other fields of intellectual endeavor. Priority arguments, however, are a type of construction in recursion theory, first introduced fifty years ago by Richard Friedberg and Andrei Muchnik to establish the existence of recursively enumerable sets of incomparable Turing degree. This talk will briefly survey the background to their work, describe the basic structure of finite- and infinite-injury priority arguments, and highlight some important results established via priority methods. (Received September 05, 2007)