1051-03-12   **Cyrus F Nourani*** (`Akdmkrd@mail.com`), Personal USA Address, PO Box 278, Cardiff, CA 92007. *Filters, Frgament Constructible Models, and Sets.* Preliminary report.

Positive forcing (author 1981) on Keisler's Lw1,K instances were proved as MA realizations, therefore, stating a correspondence between forcing and the axiom. More specifics were restated at the ASL Montreal 2006 on Functorial generic filters.From the author's 1981 we have the following with more specifics on ASL Montreal.

Theorem 1 The positive forcing T* is a F-generic filter.

Theorem 2 The power set of an inductive theory defined on Lw1,K generates a positive generic model for the theory based on a generic diagram for a canonical model.

Since 1995 author had presented a funtorial model-theory and a set fragment consistency basis has developed.

Theorem 3 There is a Horn dense counterpart to the Rasiowa-Sikorski lemma. An area the author has not explored, for example, (author 1999), is whether there is a Godel constructible set corresponence to the above, where natural forcing companions can be presented based on, for example, inductive closures on Godel operations based ZF definable fragment sets. Are there statements that can be stated on new axioms,for example, Martin's axiom's generlization, i.e.. the proper forcing axiom and Martin's maximus. (Received May 27, 2009)