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| **2008, Hu and Schennach** | **Key Notes** | **Thoughts/Comments** |
| Primary:  This paper proposes an identification method for nonlinear nonclassical measurement error models, without using outside information (validation data, etc.).  Key assumptions are completeness, location restrictions.  Key methodology: the operator spectral decomposition is unique.  Background:   * For nonclassical measurement error models, when the mis-measured covariates are discrete (binary or general discrete), nonparametric identification has been established by Mahajan(2006), Lewbel(2007) and Hu(2007)). When the mis-measured covariates are continuous, the extension is non-trivial, because the number of candidate functions to be identified becomes infinite, the so called “ill-posed inverse problem”. * The only way to deal with this case is via the validation data. * Even if the conditional mean of measurement error on the true value is non-zero, other measures of location, such as median or quantiles, could be still zero. |  |
| Assumptions | A2. Non-differential ?  A3: Why not swap x and z. |
| Results (Lemmas/Theorems/Propositions) |  |
| Identification Strategy |  |
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