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**Pedro Antonio Guil Asensio\*** ([paguil@um.es](mailto:paguil@um.es)), Departamento de Matematicas, Universidad de Murcia, 30100 Murcia, Murcia, Spain, and **Ivo Herzog** ([herzog.23@osu.edu](mailto:herzog.23@osu.edu)), The Ohio State University at Lima, Lima, OH 45804. *(Sigma-)Cotorsion Modules and Pure-Injectivity in Locally Finitely Presented Additive Categories.*

We study pure-injectivity in locally finitely presented additive categories in terms of cotorsion flat modules. Several classical results on pure-injectivity are extended to this new setup. (Received February 18, 2004)