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Jaewoo Lee* (jlee@bmcc.cuny.edu), Department of Mathematics, Borough of Manhattan Community College(CUNY), 199 Chambers Street, New York, NY 10007. *Infinitely Often Dense Bases with a Prescribed Representation Function.*

Nathanson constructed bases of integers with a prescribed representation function, then asked how dense they can be. Chen constructed unique representation bases of integers which are infinitely often dense. In this talk, we will see how to construct bases of integers which are infinitely often dense with a given prescribed representation function. (Received January 30, 2007)