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Massachusetts Avenue, Cambridge, MA 02139-4307. *Examples of toric Sasakian-Einstein
Manifolds.*

A series of examples of toric Sasakian-Einstein 5-manifolds is constructed which first appeared in the author's Ph.D. thesis. These are Sasakian submanifolds of the toric 3-Sasakian 7-manifolds of C. Boyer and K. Galicki. And there is a unique toric quasi-regular Sasakian-Einstein 5-manifold associated to every simply connected toric 3-Sasakian 7-manifold. Using 3-Sasakian reduction an infinite series of examples is constructed of each odd second Betti number. They are all diffeomorphic to $\#k(S^2 \times S^3)$, for k odd. (Received August 17, 2007)