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Adam Larios* (alarios@math.tamu.edu), 1212 A Webhollow Cir., Bryan, TX 77801, and
Ciprian Foias. *The Semi-Dissipative Boussinesq Equations: Global Well-Posedness and a
Generalized Attractor.*

The large-time behavior of a dissipative system can often be understood by studying its global attractor, which can contain deep information about its underlying structure. I will show that the notion of attractor can be extended to the Boussinesq system with only partial dissipation. We will see that this generalized attractor not only has a rich structure, but also encodes a wealth of turbulent phenomena in a single object. (Received February 10, 2014)