To add "Preliminary report" after the title, uncomment this line:

1084-51-256 **Dennis Glenn Collins*** (d_collins_pr@hotmail.com), 1519 S. State Rd. 119, Apt. 2, Winamac, IN 46996-8550. *Approximating Continuous Symmetry of Some Surfaces and Solids.* Preliminary report.

This work approximates the continuous symmetry of some surfaces and solids according to the definition of the author's patent (continuous symmetry=negentropy=negative positional entropy), mostly by Monte Carlo methods, but with some theoretical comparisons. These calculations extend previous one-dimensional work. Some results from Mathematica programs, recalling the Monte Carlo values come out different for each run of the program:

Geometric Figure Theoretical Monte Carlo two-dim strip 16x(1/16) -2.52 two-dim rectangle 4x(1/4) -1.17 two-dim square 1x1 .0095697 .00859 two-dim circular disk .0502557 .044 r=1/Sqrt[Pi] two-dim tent .117 adjacent squares side= 1/Sqrt[2] at 90 degree angle hemisphere surface r=1/Sqrt[2Pi] .36 cube surface side=1/Sqrt[6] .75 sphere surface r= 1/Sqrt[4Pi] .743403 .77 solid square rod 16x(1/4)x(1/4) -2.57 rectangular slab 4x4x(1/16) -1.36 solid cube 1x1x1 .031 solid sphere r=$(3/(4\text{Pi}))^{(1/3)}$ .0550511. (Received September 03, 2012)