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Nancy S. Mills* and Michelle Benish. The Aromaticity/Antiaromaticity Continuum. 1. Comparison of the Aromaticity of the Dianion and the Antiaromaticity of the Dication of Tetrabenzo[5.5]fulvalene via Magnetic Measures

Page 3A. Cover Art Description in the printed edition. The artist's name in following description should be corrected as follows to Steve Hurd, not Steve Hurt as was indicated in the original publication:

While aromaticity is one of the basic concepts of organic chemistry, there is no general agreement on the characteristics that define aromaticity experimentally. We have discovered a suite of antiaromatic fluorenylidene dications that allow a systematic evaluation of antiaromaticity using characteristics that have been applied to aromatic species. To provide a context for our results with antiaromatic fluorenylidene dications, we have used the same characteristics to examine the behavior of aromatic fluorenylidene dianions, giving an aromatic/antiaromatic continuum. The cover is created by artist Steve Hurd whose art includes drippy paintings, in which letters melt or dissolve, indicating the imprecise nature of the object being described. In this context, those characteristics defining aromaticity are shown as melting, even melting into each other, suggesting that current understanding of aromaticity and antiaromaticity is imprecise. This study looks at the aromaticity/antiaromaticity continuum using magnetic criteria. See Mills and Benish, p 2207.

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