

Abstract Submitted
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Synthesis and Characterization of Tetrathiafulvalene Derivatives¹

MARK BARTOLO, STEPHEN TSUI, Cal State Univ - San Marcos, ERIC REINHEIMER, Rigaku — We synthesize tetrathiafulvalene (TTF) derivative materials in an effort to identify conducting and magnetic properties. The doping of these TTF derivatives include tetracyanobenze (TCNB), 7,7,8,8-tetracyanoquinodimethane (TCNQ), and para-dinitrobenzene (pDNB). We examine these TTF containing donor-acceptor complexes through their structural and electronic transport characteristics.

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