

**Texture of the inhomogeneous spin density wave / superconducting phase
of the organic conductor (TMTSF)₂PF₆**

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The texture of the inhomogeneous spin density wave / metal (superconductor) regime of (TMTSF)₂PF₆ was studied by linear and non-linear transport measurements along the three crystallographic a , b' and c^* axes. At the lowest concentration of metal, metallic filaments along the c^* axis are present. Upon increasing pressure, these filaments agglomerate into slabs along the $b'-c^*$ planes perpendicular to the a axis (chain direction). These features are evidenced by measurements in the superconducting state. The data performed also under applied magnetic field along the c^* axis are in good agreement with the theoretical proposal of the formation of soliton walls perpendicular to the chain direction [1].

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[1] L.P. Gorkov and P.D. Grigoriev, Europhys. Lett., 71, 425 (2005)