

THE ASYMPTOTIC ANALYSIS OF
RELATIVISTIC VORTEX SOLUTIONS
FOR THREE-CONSTITUENT
SUPERFLUID DYNAMICS

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S u m m a r y

We compute the effective asymptotic contribution of a vortex to the stress energy tensor by comparison with the uniform reference state without vortex. We receive the stress-energy coefficients for 'cool' and 'cold' vortex cells and study the stress-energy tensor with respect to the current flux reference state.