

★ Computation of resistivity in gravitational theory yields zero resistance at all temperatures,  
 $\rho(T) = 0$  !

★ This can be understood by

- Conservation of total momentum,  $\vec{P}$ ,
- Non-zero value of  $\chi_{JP} = \langle \vec{P}; \vec{J} \rangle$  when  $\langle \mathcal{Q} \rangle \neq 0$  ( $\vec{J}$  is the O(2) current).

*i.e.* Momentum *drags* current.