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## **Coulomb drag effect in a system of coupled superconducting nanowires.**

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At low temperatures superconducting nanowires demonstrate wide range of intriguing physical phenomena. Of particular interest are those that are due to quantum phase slips (QPS), as an example the change in nonlocal transport in superconducting nanowires. This work is devoted to studying the interplay between Coulomb drag effect and QPS in a system of coupled superconducting nanowires. It is important that QPS generate plasmon waves that propagate in separating wires and QPS in one wire affect on the physical properties of another.

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