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Intermediate State in Type-I Superconducting Strip with Current[1] JACOB HOBERG, RUSLAN PROZOROV, Iowa State University — The dynamic structure of the intermediate state was studied in pinning-free Pb strips using real-time magneto-optical visualization. It is found that topological hysteresis can be lifted by applying sufficiently large current. Namely, laminar structure that appears on flux exit in a static case is turned into tubular when the current is present. Temperature, magnetic field and current phase diagram is discussed.

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