

Deformations

We have not implemented all the deformations that are required to compute $q(x, t)$ for all (x, t) .

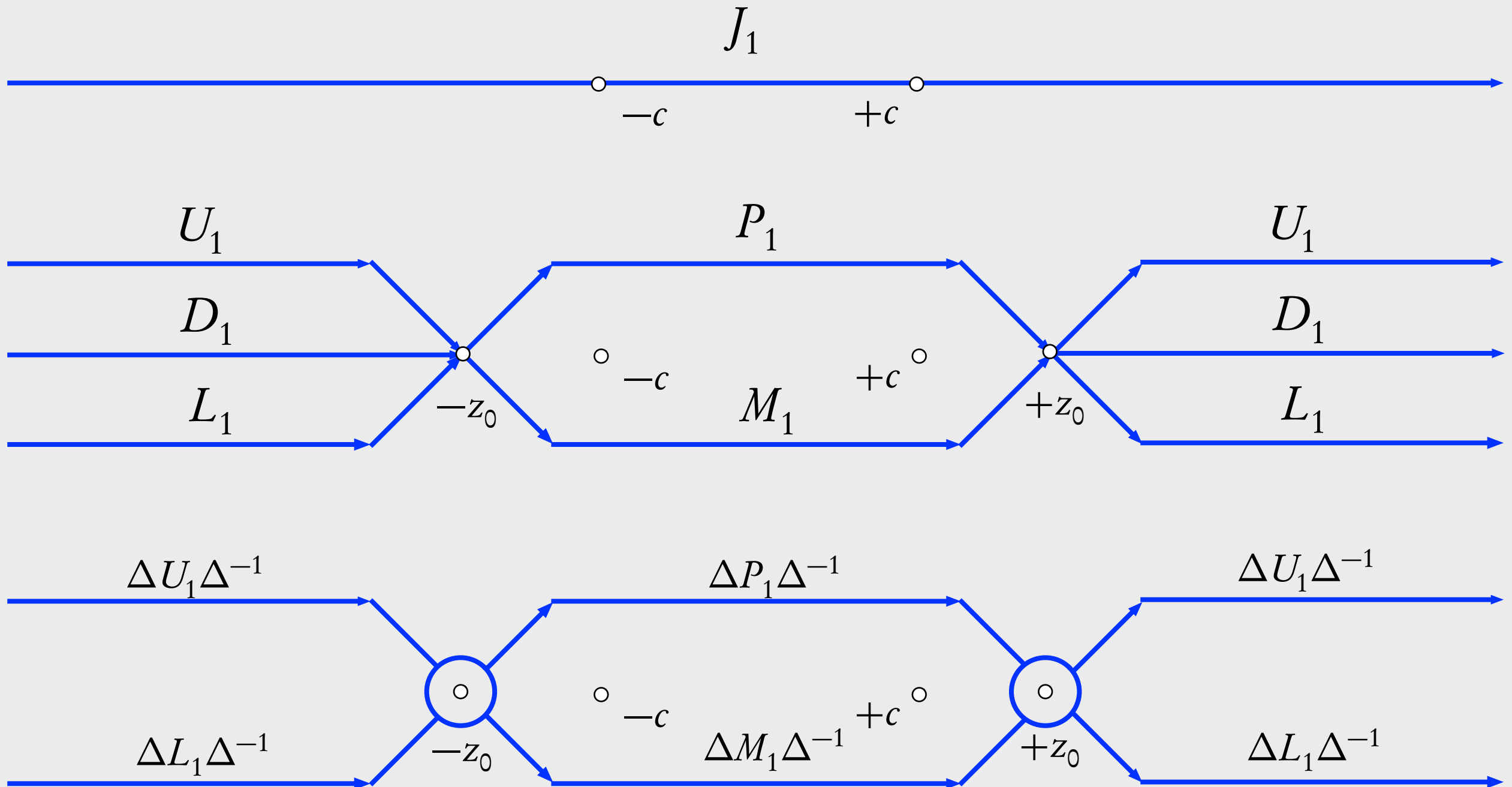
Two deformations allow us to compute the solution for all x and small time, $0 < t < 2$.

More to come, including $t \rightarrow \infty$!

All deformations are performed assuming $u_0 \in L^1(\mathbb{R}, e^{\delta|x|}dx)$ for some $\delta > 0$.



$$x < 0 \qquad -\sqrt{\frac{-x}{12t}} < -c - \epsilon \qquad \epsilon > 0$$



The LDU -factorization fails on $[-c, c]$.

