1047-30-489Jani Onninen\* (jkonnine@syr.edu), Department of Mathematics, Syracuse University, 215<br/>Carnegie Building, Syracuse, NY 13244, and Tadeusz Iwaniec and Leonid V Kovalev.<br/>Dynamics of quasiconformal fields.

A uniqueness theorem is established for autonomous systems of ODEs,  $\dot{x} = f(x)$ , where f is a Sobolev vector field with additional geometric structure, such as delta-monoticity or reduced quasiconformality. Specifically, through every non-critical point of f there passes a unique integral curve. (Received February 03, 2009)