



**André Boivin** (boivin@uwo.ca) Department of Mathematics, University of Western Ontario, London, Ontario, N6A 5B7, Canada, *On closed sets of approximation on Riemann surfaces.*

ABSTRACT. A closed subset  $E$  of a (non-compact) Riemann surface  $R$  is called a set of holomorphic (resp. meromorphic) approximation if every function holomorphic on  $E$  can be approximated *uniformly* on  $E$  by functions holomorphic (resp. meromorphic) on  $R$ . The characterization of the sets of approximation (either holomorphic or meromorphic) is still open in general, though it is known in some cases e.g. when  $E$  is compact (and  $R$  is arbitrary), or when  $R$  is of finite genus (and  $E$  is arbitrary). We will discuss some examples and some recent results obtained with Nadya Askaripour.