

EMBEDDABILITY OF RIBBON GRAPHS IN SURFACES

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(This talk is based on joint work with Mark Ellingham.)

In this talk, we will present a result giving the set of excluded minors for the class of ribbon graphs that can be embedded in a particular connected topological surface. The work done to obtain this result leads to additional results involving pairs of connected surfaces, partial duality of ribbon graphs, and disconnected surfaces. We will discuss some of these results as well, as time allows.