

# Global compactness theorems for the Yamabe problem

RICK SCHOEN  
(STANFORD)

In this talk we will discuss the compactness conjecture for general (not necessarily minimizing) solutions of the Yamabe problem made by the speaker over 15 years ago. Through the work of the speaker and several others this had been established in some cases (low dimensions, locally conformally flat), but the full result has been open. We will describe our recent work with Marcus Khuri which establishes the general case.