## Local electronic properties of manganite films studied by STM/STS under ambient conditions

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Thin films of La0.67Sr0.33MnO3 and La0.7Sr0.3MnO3 were prepared by different sputtering techniques. All films show a significant magnetoresistive effect. The topographic and electronic properties of the films were studied by STM/STS under ambient conditions. The local conductance of different films and of spatially separated areas on a film was measured. A surprisingly high degree of homogeneity was found in contrast to previous comparable experiments.