



**KTH Mekanik**

Projektoppgift

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Mikroelektronik, tillämpad fysik, mekanik, 7,5 hp 2007/08

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## **SG1108 Tillämpad fysik, mekanik, 7,5 hp**

### **Projekt: Torktumlare**

In a tumble drier the clothes spend part of their time traveling on the wall of the drier and part of the time falling back through the warm air (like a projectile) towards the bottom. The design of the tumble drier should be such as to dry the clothes as quickly as possible.

One important feature of the tumble drier is the speed of rotation. What angular speed should an effective tumble drier have? (Consider during what part of the process the most effective drying takes place and try to optimize that part.)