



Universität Konstanz
FB Mathematik & Statistik
Prof. Dr. M. Junk
Dr. Z. Yang

Ausgabe: 09. Mai; SS08

Parallele Numerik

Blatt 2

Problem $[\pi]$:

Please implement a parallel program to approximate the integral using midpoint rule

$$I = \int_{-\infty}^{+\infty} \frac{1}{1+x^2} dx.$$

- (i) explain the parallel model and syntax;
- (ii) suggest efficient techniques.