

# **Asymptotic Properties of the Hill estimator**

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**Tiivistelmä**

Tiivistelmässä on lyhyt selvitys kirjoituksen tärkeimmästä sisällöstä: mitä ja miten on tutkittu, sekä mitä tuloksia on saatu.

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**Avainsanat** Vastus, resistanssi, lämpötila

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## Preface

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# Symbols and abbreviations

## Symbols

$\mathbf{B}$	magnetic flux density
$c$	speed of light in vacuum $\approx 3 \times 10^8$ [m/s]
$\omega_D$	Debye frequency
$\omega_{\text{latt}}$	average phonon frequency of lattice
$\uparrow$	electron spin direction up
$\downarrow$	electron spin direction down

## Operators

$\nabla \times \mathbf{A}$	curl of vector in $\mathbf{A}$
$\frac{d}{dt}$	derivative with respect to variable $t$
$\frac{\partial}{\partial t}$	partial derivative with respect to variable $t$
$\sum_i$	sum over index $i$
$\mathbf{A} \cdot \mathbf{B}$	dot product of vectors $\mathbf{A}$ and $\mathbf{B}$

## Abbreviations

AC	alternating current
APLAC	an object-oriented analog circuit simulator and design tool (originally Analysis Program for Linear Active Circuits)
BCS	Bardeen-Cooper-Schrieffer
DC	direct current
TEM	transverse electromagnetic

# 1 Introduction



## 2 Theory

This is the Fisher-Tipett-Gnedenko theorem [1].

$$1 + 1 = 3 \tag{1}$$

Tässä testataan linkkiä 1

### 3 Simulations

## References

- [1] A. F. Laurens De Haan. *Extreme Value Theory*. Springer, 2009.

## Appendix