For the new generation of MR Quantifiers

The Principles of Quantitative MR were largely learnt in the last millennium and the early part of this century. Please benefit from this work; there is no need to re-invent the wheel!

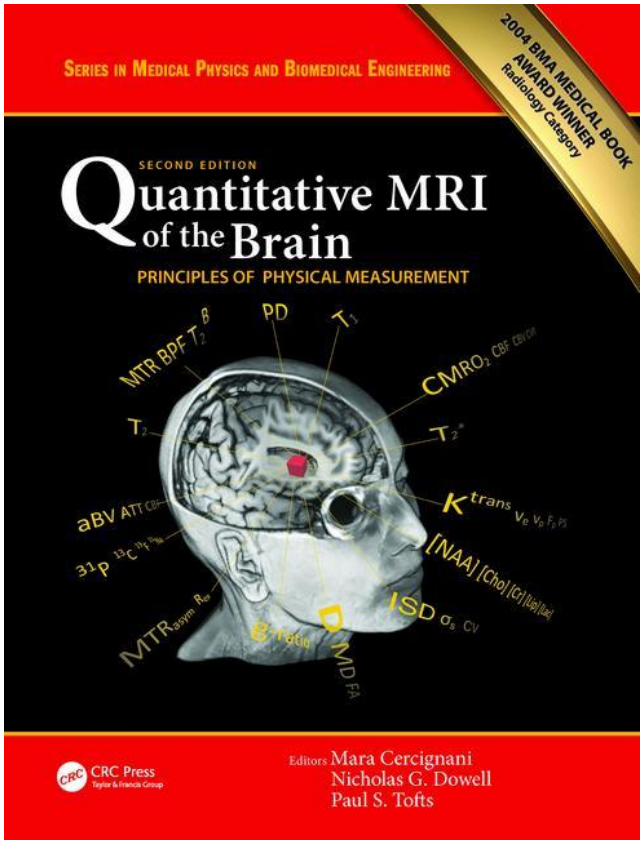
With the motivation to maximise access to these principles, I have reproduced 3 chapters from the book *Quantitative MRI of the Brain*. These deal with concepts and principles, and probably have a long lifetime. I have also provided an index for these, and 2 relevant recent papers which form an update.

Please enjoy and be intrigued!

Paul Tofts

Sept 5th 2025 d

Buy the book: click for amazon, then search for isbn 978-1138032859



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Chapter 1: Concepts: Measurement in MRI

Chapter 2 : The Measurement Process: MR Data Collection and Image Analysis

Chapter 3: Quality Assurance: Accuracy, Precision, Controls and Phantoms

Download Chapters 1-3 click

Recent relevant work:

Perfect qMRI machine pdf
https://doi.org/10.1016/j.ejmp.2022.10.013

Realistic phantoms for qMR pdf
https://doi.org/10.1016/j.ipemt.2024.100026

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