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(1) A twenty-page summary of quantum mechanics introduces the book (No path integrals). An elementary discussion of dimensional analysis is of interest (pages

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18-19). Concluding: "the field is not a wave function giving probabilities." (2) Next, mathematics of differential operators. One will need a copy of Titchmarsh (1962) as reference.

### **Bing: Mathematical Aspects Of Quantum Field**

Mathematical Aspects of Quantum Field Theories Damien Calaque , Thomas Strobl (eds.) Despite its long history and stunning experimental successes, the mathematical foundation of perturbative quantum field theory is still a subject of ongoing research.



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