

## КОНФОРМНИ ФАЙНМАНОВИ АМПЛИТУДИ И ЕДНОЗНАЧНИ ПОЛИЛОГАРИТМИ

Цикъл от двучасови лекции на акад. Иван Тодоров за студенти и докторанти по физика

1. Исторически увод: пресмятане на аномалния магнитен момент на електрона. [1]
2. Пропагатори в безмасова квантова теория на полето и техните Фурие образи. [2, NST]
3. Конформна група и нейното действие в компактифицираното пространство-време. Конформно инвариантни корелационни функции. [3, 4]
4. Дуална конформна инвариантност. Пример: дилогаритъм на Блох-Вигнер. [5, 7]
5. Алгебра на размесване на многократни полилогаритми. [6]
6. Еднозначни многократни полилогаритми; колело с  $n$  спици. [6, B, DDDP]

### Литература достъпна в Интернет

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### Допълнителна литература

- [B] F. Brown, Single-valued periods and multiple zeta values, [arXiv:1309.5309](https://arxiv.org/abs/1309.5309) [math.NT].
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