

Map of the Field, 2

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7:48 PM

Geometrical statement:

$$\mathbb{Q}(f) * \mathbb{Q}(g) = \mathbb{Q}(f * g)$$

↔ The orbit method



"group ring" version

$$\int \psi f(x) \psi g(y) e^x e^y = \int \psi(x+y) f(x) g(y) e^{x+y}$$

(in $U(\mathfrak{g})$)



algebraic version:
 $\exists v$ st.

$$vM = v_m; v_0 = \psi$$

$$v_0 = \psi\psi$$



diagrammatic version
same in $A(1)$

↔ the k-v version



Knot Theory version

$\exists z \dots$

↔ A B-F proof?

Geometrical statement	
Group ring	
algebraic	
diagrammatic	
Knot Theoretic	