More about Quivers
Thursday, February 11, 200 532 PM

$$(Qe, Qe, h, t)$$

 $Repn \rightarrow V(x)$ for each $x \in Qe$.
 $V(ta) \xrightarrow{V(x)} for each $x \in Qe$.
 $V(ta) \xrightarrow{V(x)} gr natural transformation
When
index repr — no sub repr
index repr — no direct repr
 A_2 quiver $(1 - Kroneckor quiver)$
 $V = K \xrightarrow{C2} K \qquad S_1: K \rightarrow 0$
 $f \qquad f(x)$
 $S_2 = 0 \rightarrow K \qquad 0 \rightarrow S_2 \rightarrow V \rightarrow S_1 \rightarrow 0$
 $ford V \neq S, \oplus S_1$
 $V = K \xrightarrow{C2} K \qquad (1st)$
 $Quivers with no cycles$
 $K \leftarrow K$
 $i greed repr is the only types.$$$

What about indecomposable?

$$V = V_{1}^{\otimes n} \otimes \cdots \otimes V_{k}^{\otimes n}$$

$$e aut is indecomposable$$

$$Eq. (b) Jordan Quiver
$$\int_{R} Bq = \varphi A$$
isom dasses \longrightarrow Indan form
$$\int_{R} B = \varphi A q^{-1}$$
indecomposable \implies Indan Hocks
$$B = V_{1} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n}$$$$

$$= \int din kep(Q, n) = din kep(Q, n) = 1$$

$$\Rightarrow \lim_{x \to \infty} GL(Q, n) - din kep(Q, n) = 1$$

$$\Rightarrow \int Q(n) = \sum_{x \in Q(n)} alk(n) o(t_{0}) = 1$$

$$quid takin form is pro-defn.
$$\int danify this density this density kep systeme.$$

$$density kep systeme.$$

$$density the not -1 parameter of indeep$$

$$f : type = almost finite
other dam realter d dam vector d
but y 1 indee not -1 parameter of indeep
$$f : type = k^{2} \cdot \frac{(i)}{(i)} k^{2}, \quad k^{3} \cdot \frac{(i)}{(i)} k^{3}$$

$$k^{2} \cdot \frac{(i)}{(i)} k^{2}, \quad k^{3} \cdot \frac{(i)}{(i)} k^{3}$$

$$k^{2} \cdot \frac{(i)}{(i)} k^{2} + k^{2} \cdot \frac{(i)}{(i)} k^{2} + k^{2} \cdot \frac{(i)}{(i)} k^{3}$$

$$k = dam vector, fa which for the parameters
keomes cabitracity large.
$$Q = \frac{A \cdot Q + B + k^{2} \cdot \frac{1}{k} + \frac$$$$$$$$

$$e: Q \longrightarrow quadratic form$$

$$rool system$$

$$\overline{F}_{ir}^{+} \cup \overline{F}_{in}^{+}$$

$$\int \left\{ \alpha \mid supp(\alpha) \text{ is connected} \right\}$$

$$q(\alpha) \leq 0$$

$$1 \text{ decomp} \qquad \# \text{ of parameters } = 1 - \overline{\zeta}(\alpha)$$

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