

Frieze patterns in algebra, combinatorics and geometry, CIRM

Combinatorial Auslander–Reiten quivers and their frieze patterns

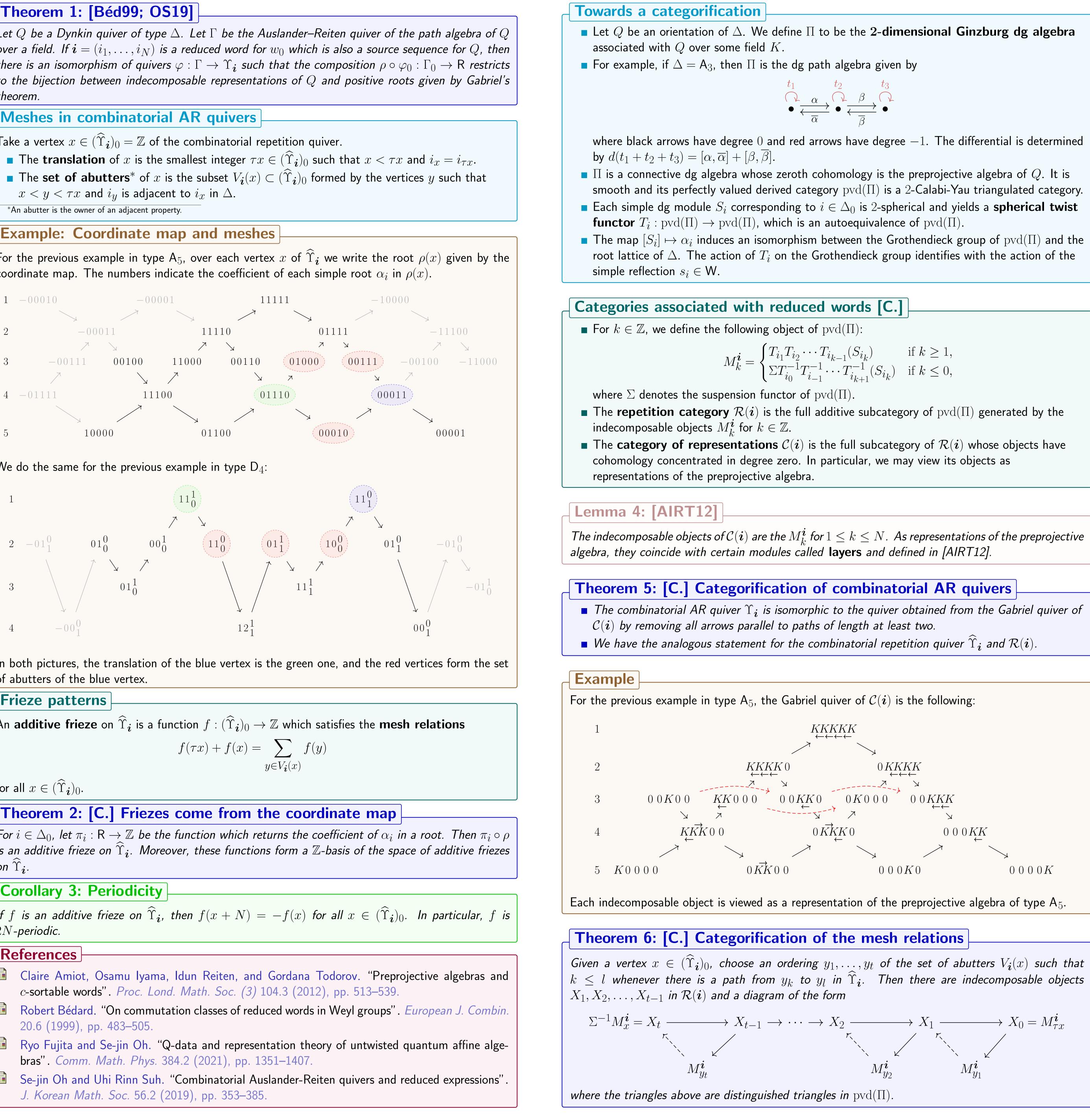
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theorem.

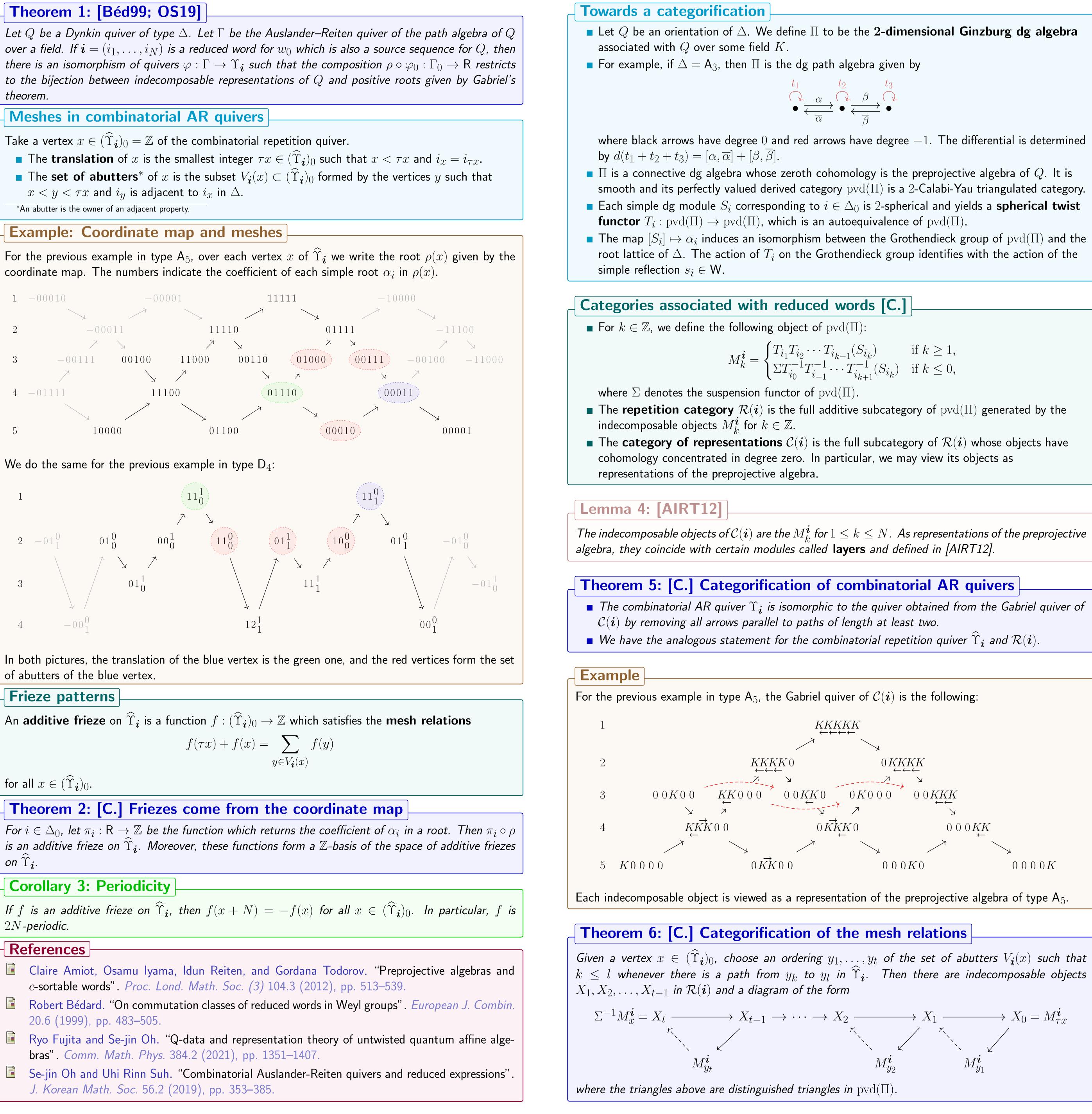
Meshes in combinatorial AR quivers

- $x < y < \tau x$ and i_{y} is adjacent to i_{x} in Δ .

*An abutter is the owner of an adjacent property.



We do the same for the previous example in type D_4 :



of abutters of the blue vertex.

Frieze patterns

for all $x \in (\widehat{\Upsilon}_i)_0$.

on Υ_{i} .

2N-periodic.

References

$$\underbrace{ \begin{array}{ccc} t_1 & t_2 & t_3 \\ \bullet & \overbrace{\overline{\alpha}} & \bullet & \overbrace{\overline{\beta}} \end{array} }^{t_2} \bullet & \overbrace{\overline{\beta}} \end{array} \underbrace{ \begin{array}{ccc} t_3 \\ \bullet \\ \bullet \\ \hline \end{array} } \bullet & \overbrace{\overline{\beta}} \end{array}$$