

One last example of (symmetric) monoidal ac-category is the following. Let C be a sym. mon. model structure, i.e. /s is sofibrant, C is closed & Q: CQC -1 C is a bott Qillen fexor. The operation above is given (E, W) an so-cot. w/ W & Fin [1], b) s.t. W contoins isomorphisms & is stable under, homotopies & compositions. I I [u-i] an on-category in the ausurg those sending merphisms in W to isomerphism. Concretely, Mis is obtained by taking a tibrant replacement of (5, w) in marked si-plicial sets.

Sub-excepte: given C a model category lake not necessarily a samplicial model category. Then N(C) [W] is the work.

Underlying C. In particular, it does not depend on the xibralions & Cotibrations only deponds on the weak equivalences. Prop: - The co-category N(C)[W] has a O-stv. [4.1.7.16]. - It C is a simplicial sym. mon. model category, Then $N(C_ct) = N(C_c)[w^{-1}]$ as sym. mon. ∞ -conts. [HA, 7.1.2.8/ Cor: For k a own. ring. let Ch(k) be the model structure. 7.1.2.12]. where: w.e. are q. - iso., tibrations are laveluise surjective maps, cotib. detied, by L.L.P. Then Ch(k) u/tensor product of chain colors. is a symmetrical model cortegory.

The particular, N(Ch(k)c)[w'] = J(k) u/

N(Ch(k)c) -> p(k) a &- masside threater.