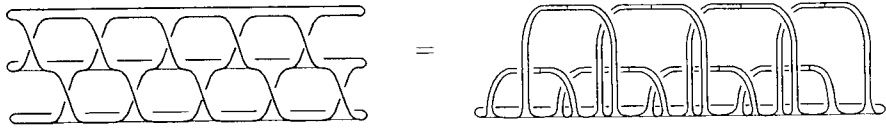


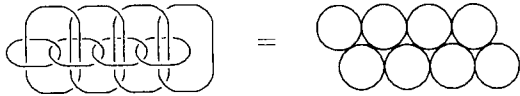
Grapes

資料

'The E_8 -manifold, singular fibers and handle decompositions" by R. Kirby and P. Melvin
Vol.2 Proc. of Kirbyfest p233-258



(a) Seifert surface $F_{3,5}$



(b) Branched cover C_2 as a bunch of grapes

Figure 1.3

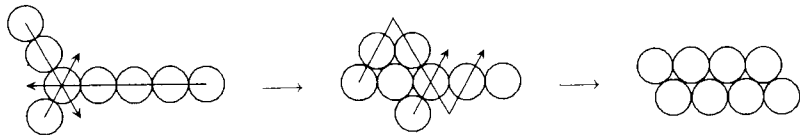


Figure 1.7: slippin' an' a slidin'

type	graph	framed link	monodromy
I_1			V
$I_n (n \geq 2)$			V^n
II			UV
III			UVU
IV			$(UV)^2$

Table 1: Singular fibers of type I-IV

type	weighted tree	grapes	monodromy
I_0^*			$(UV)^3 = -I$
$I_n^* (n > 0)$			$(UV)^3 V^n = -V^n$
II^*			$(UV)^5 = (UV)^{-1}$
III^*			$(UV)^4 U = (UVU)^{-1}$
IV^*			$(UV)^4 = (UVUV)^{-1}$

Table 1*: Singular fibers of type I*-IV*