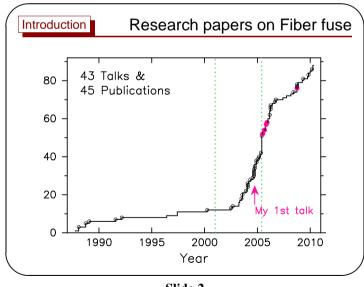
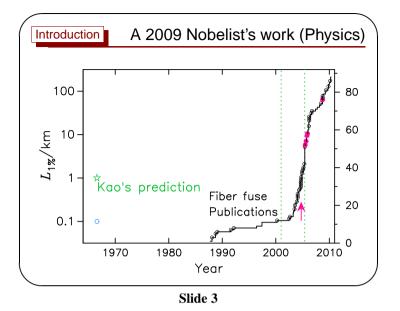
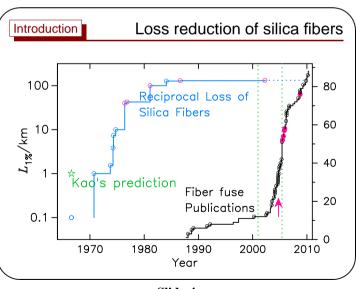


Slide 1



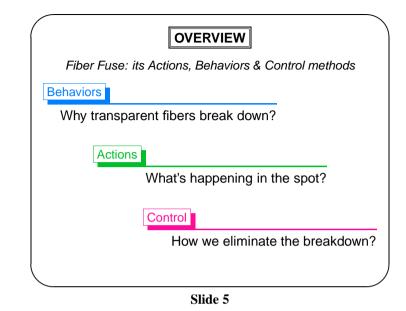


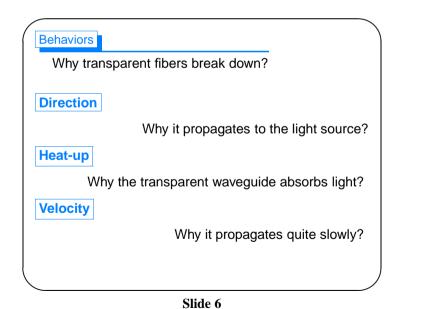


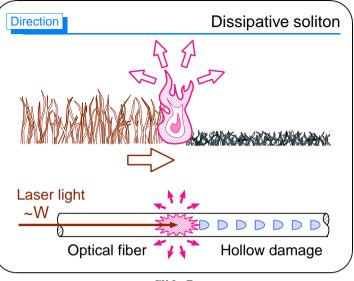


Slide 4

(3)







 Behaviors

 Why transparent fibers break down?

 Direction

 Dissipative soliton consuming the energy of laser light

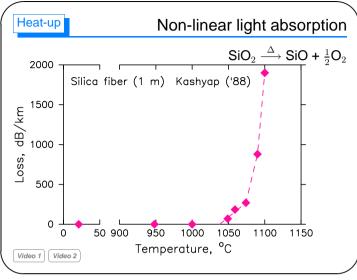
 Heat-up

 Why the transparent waveguide absorbs light?

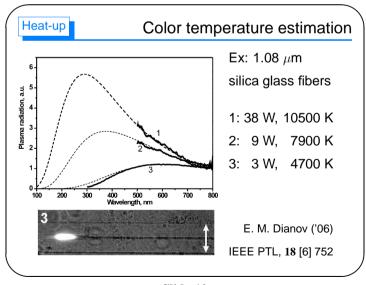
 Velocity

 Why it propagates quite slowly?

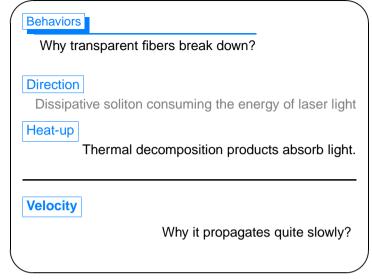
 Slide 8



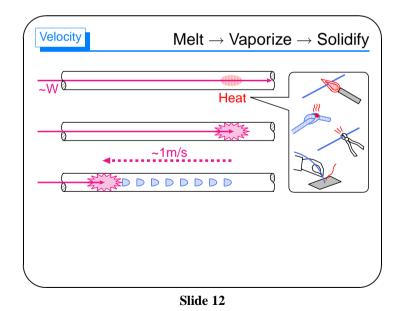
Slide 9



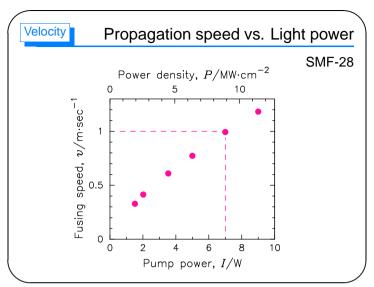




Slide 11



(6)



Slide 13

Behaviors

Why transparent fibers break down?

Direction

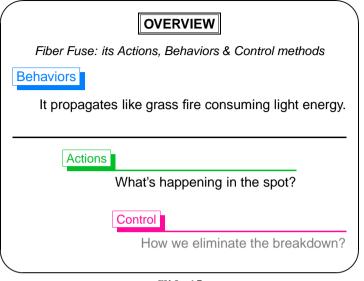
Dissipative soliton consuming the energy of laser light

Heat-up

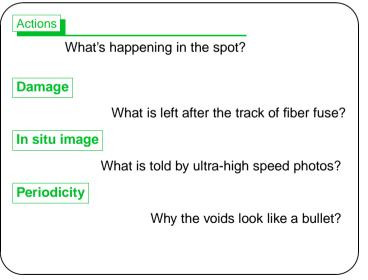
Thermal decomposition products absorb light.

Velocity

It propagates via melting, vaporizing & consolidation.



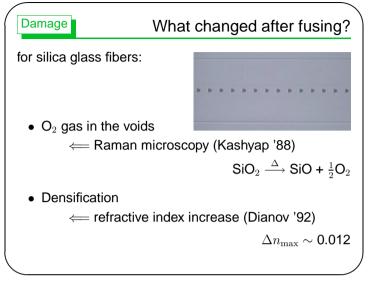
Slide 15



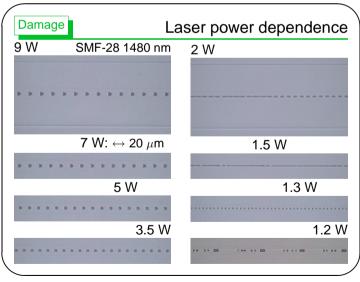
(7)

(8)

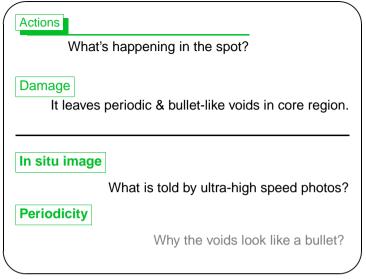
(9)



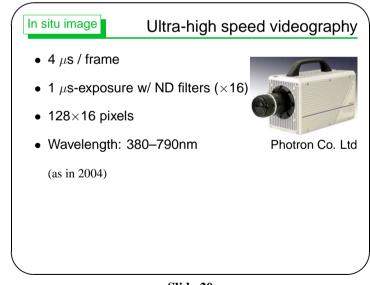
Slide 17



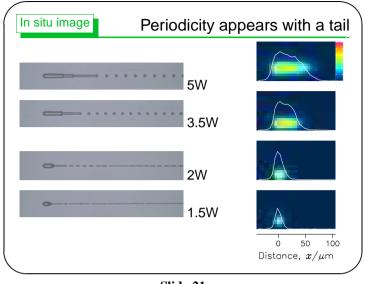
Slide 18

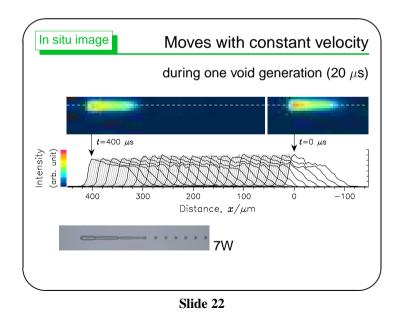


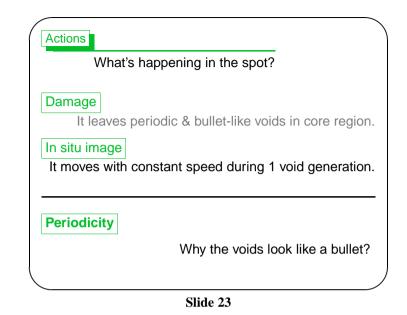
Slide 19

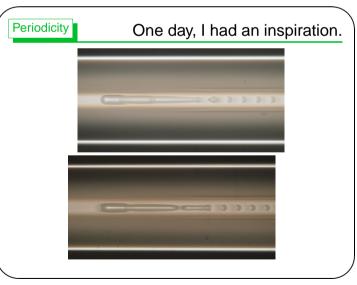


(11)

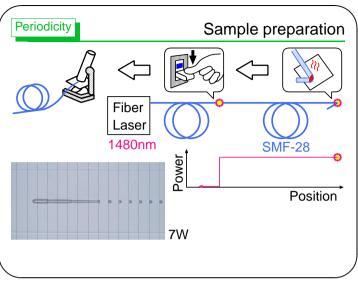


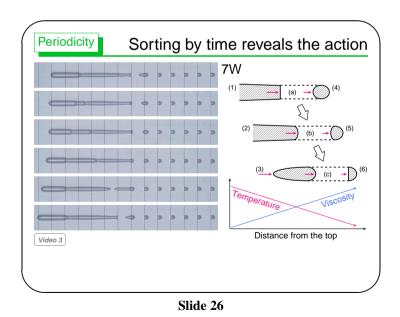


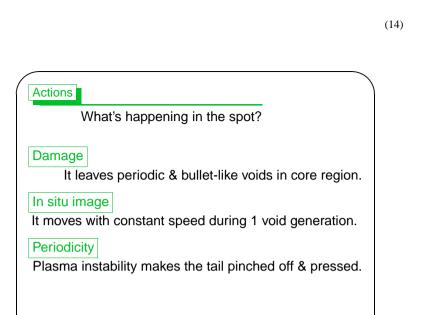




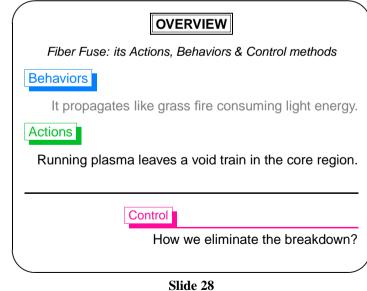
Slide 24

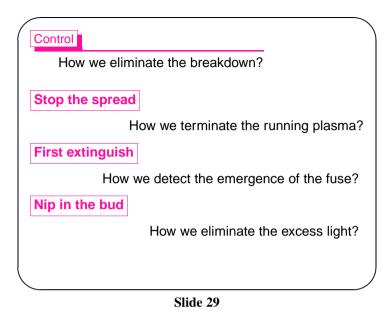


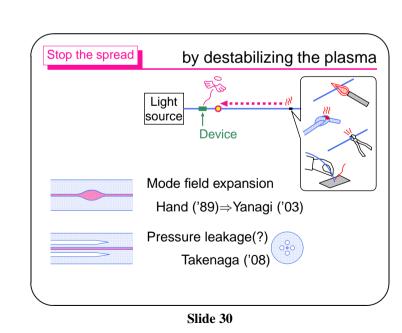


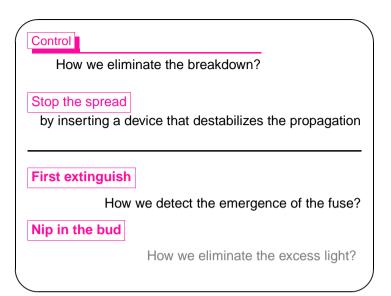


Slide 27

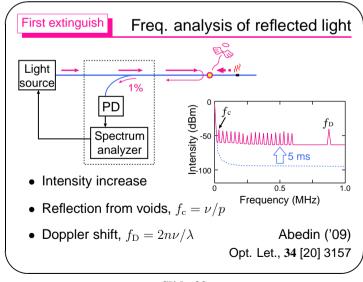


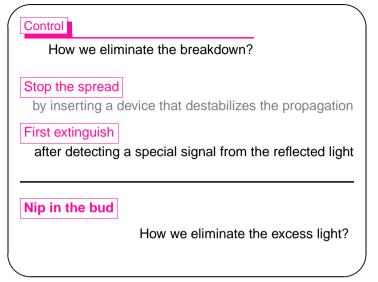


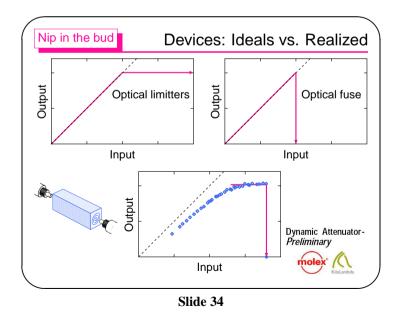


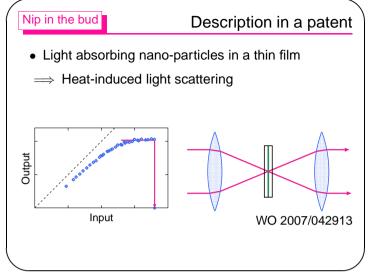


Slide 31

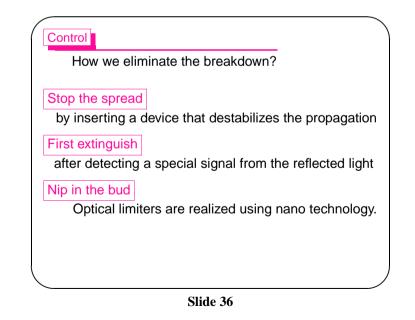


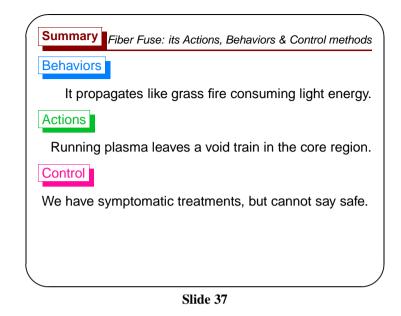






Slide 35





References

- 1. List of research papers: http://www.geocitis.jp/tokyo_1406/node6.html
- 2. Movies: http://www.youtube.com/tokyo1406
- S. Todoroki: "Make the best use of your serendipity by inspiring your audience". (Translated from OYO BUTURI, 78 [7] pp.668-671, 2009).

http://www.scribd.com/doc/16980276/

