The past is the future

so many problems sit idle

because progress Stops/slows

(self fulfilling)

Keep pursuing partial results.

"Next big thing" is rare (subjective)
of course forcing, large cardinals

many suggestions over the years certainly Scheeper's program
Arhangelskii's Cp theory

So, back to the past is the future

Some large cardinal related:

Normal Moore Space Conjecture + C = W2

> basscally normal + 1st ctsle => collectionwise normal

1st ctale sti-cwH => cwH

Lindelof + points Gs have cerd. \le 2

Defin: Fredet if $A = A^{(i)}$ $A^{(i)} = A \cup \{x: \exists \langle a_i \rangle \xrightarrow{\in A} x\}$

$$A''' = A \cup \{x : \exists \langle a_n \rangle^{=1} \Rightarrow x \}$$

$$t(x) = \min\{x : A = \bigcup \{B : B \in [A]^{1} \} \}$$

How big can $t(X \times X)$ be if X is Fréchet

opinion: adding compact makes questions move topological us set theoretic

long standing external influence for Topology is Does every compact subset of 2th dual

have ...

Go-points, converging sequences, diverging sequences defining Eberlein compact, Conson, Gulko etc jump to

Efimor problem. Does every infinite compact space Does every infinite compact space

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Etimov provinción or pw?

2 wti

(related to X2 II)

partial? eg b+c

Moore-Mrowka + seq 1 order

If compad X has t(X) = s/odoes X have property $\overline{A} = (A^{(1)})^{(1)}$?

What if $C > w_2$? $[?\overline{A} = A^{(w_1)}]$

7 mad f's

Simon: (compared Freehet) => Freehed

because 3 partitionalle madf.

General investigation of $X > \omega$,

small diagonal: $\triangle_X \leq X \times X$ (X cpt)

Does w_1 -inaccessible Δ =) Metrizable? [many partial questions, few results] Small Dowter: is there a normal X
of cardinality is, s.t.

X x [0,1] is not normal?

Michael Space: 15 There a Lindelof X s.t. X x irrationals is not Lindelof

Of course: Can $\omega^* \approx \omega_1^*$ $P(\omega)/f_m \approx P(\omega_1)/f_m$

is ((w*) primary as a Banach space = 21/00

if $\omega^* = A \Theta_x B$ is one of C(A), C(B) $\sim C(\omega^*)$

ri tin ponts

(bow-tie ponts may not exist)

Points in $\omega^* = topology$ (except g-points)

can $\omega^* \cdot \{e\}$ be normal

are there closed and $H\Theta_p K$

Does MA + P(w)/fin is C-universal

Defin: Seal opt if every sequence
has a converging subsequence $X = M - |m/x| \cdot n \in W$ if $x \in \{x_n; n \in W\}$ for all $u \in M$

Scarborough Stone: is there a Mew s.t.

every seall compact space is M-compact

(every sequence has a U-lmit)

Frolit: w is not homogeneous

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Frolit: w is not homogeneous

orby(p)= X where H = group of
audo homeo morphisms

Rudin's problem (s): Does every compact homogeneous X satisfy:

- (1) contains a converging sequence
- (2) has open chain condition $\leq c$ [van Downen]
- (3) will not map onto w* [Kunen]

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author={Shakhmatov, Dmitri B.},
title={Compact spaces and their generalizations},
conference={
title={Recent progress in general topology},
address={Prague},
date={1991},
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\bib{MR3205487}{article}{
author={Dow, Alan},
title={Set-theoretic update on topology},
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date={2014},
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