How to Present

Tao LIN

September 14, 2024



- 1 Reminder: Principle of Effective Communication
- 2 How to Present—A General Guideline
 - A General Guide
 - Before the Talk / Preparing Your Talk
 - The Beginning of the Talk
 - The Body of the Talk
 - The End of the Talk
- 3 Others
 - How to Handle Questions in a Presentation?
 - How to Present a Line Plot?
 - How to Make a Research Poster?
 - How to Present a Poster at a Conference?
 - How to Present a Paper in Theoretical Computer Science: A Speaker's Guide for Students?
 - Online example

Acknowledgement

- The 7 Cs of Communication, World of Work Project
- Awesome Tips, JiaBin Huang
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- Presentation and Oral Communication Skills, Shiri Azenkot, Armando Solar-Lezama
- Presentation Skills of Computer Science—Professional Skills Module, Sophie Miller
- Tips for preparing a clear talk, Kristen Grauman
- 10 tips for academic talks, Matt Might

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Why is it important to be a good communicator?

• Publishing papers at the top-tier venues

- Publishing papers at the top-tier venues
- Dissemination

- Publishing papers at the top-tier venues
- Dissemination
- Getting a job/intern

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- Getting a job/intern
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- Finding collaborators

Elevator pitch



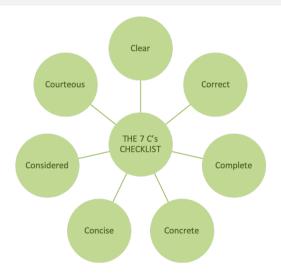
An elevator pitch is a brief (think 30 seconds!) way of winning first impression:

Elevator pitch



An elevator pitch is a brief (think 30 seconds!) way of winning first impression: introducing yourself, getting across a key point or two, and making a connection with someone.

The 7 **C**'s of communication



Please revisit our previous lecture when necessary.

Course schedule

Week	Date	Topics
1	2024. Sep. 03	Introduction to CS & AI
2	2024. Sep. 10	How to communicate
3	2024. Sep. 14	How to do presentation
4	2024. Sep. 24	How to be a good AI researcher (I): doing research I
5	2024. Oct. 07	How to be a good AI researcher (II): productivity and career
6	2024. Oct. 15	How to be a good AI researcher (III): academic paper writing and peer reviews
7	2024. Oct. 22	Sharing the experience of writing excellent academic papers and rebuttal
8	2024. Oct. 29	Practice course

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Disclaimer

I am not always a good presenter.

(this slides might not be a good example)

Goal: Advertise your work

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• Get the audience to know something new

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- Get the audience to know something new
- Make the audience want to read your research papers

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- The audience has one chance to hear the talk
- The audience hears many talks in one day
- Impress the audience

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Advertise your work through a great talk!!

Great talks require effort & time!

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A general guide

- The audience determines the talk.
- 2 Practice almost makes perfect.
- 3 Nervous energy is exploitable.
- 4 Every talk should motivate a problem.
- 5 An academic talk is about an idea, not a paper.
- 6 Slides must not overwhelm the viewer.
- 7 Images and diagrams are better than text.
- Math's benefit must outweigh the loss of attention.

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- Think about your goal in giving the talk and adjust your presentation accordingly.

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- For computer science conferences, the typical dress code is "business casual".

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 (The most important thing is that you are comfortable with your clothing)

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To convey information

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To maximize this purpose, please know your audience!!

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- What needs to be understood to convey the big idea?
- What do they (probably) know already about my topic?
- What do they want/need to know more?
- What questions are they likely to ask?

Very important!!!! Your audience determines your content!

What are your constraints?

Time

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 - Session time 5 mins very different from 45 mins

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- Equipment available
- Room layout and location

Goal: Come up with a story that fits within your time budget

Case study for a 20-minute talk:

- Slide 1: Cover
- Slides 2-4: Frontend of the talk
- Slide 5: Outline/Menu
- Slides 6-15: Main body of the talk
- Slide 16: Outline
- Slides 17-19: Evaluation
- Slide 20: Conclusion

Increasing complexity

Work on each slide in reverse order

Others:

Location & layout of the room

- Location & layout of the room
- Audience seating arrangements

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- Visibility, position and voice projection

- Location & layout of the room
- Audience seating arrangements
- Visibility, position and voice projection
- Equipment available: Check and practice beforehand

Practice is the key to a "natural" delivery

- Please practice for many times until hitting the diminishing returns.
- Practice is not about memorizing a talk. You're rehearsing its presentation.
- Consider recording later practice talks, and listen to them (for awkward transitions, slides that run too long or inadequate explanations.)
- If you feel you're not explaining a concept well,
 - First consider whether the concept is essential. If it's not, just cut it out.
 - Otherwise, lengthen the explanation and add more slides.

Tips for talk rehearse

Ask the following questions:

- Could a listener remember the motivation?
- Could a listener state the main idea?
- Could a listener summarize the talk in three sentences?
- Could a motivated listener recreate the result in three weeks?
- Would a listener know when to consult the paper?

An academic talk is about an idea, not a paper!

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Hook

Every talk needs motivation: Why should the audience grant you attention?

Hook

"Hi, my name is .. I am a .. from .. My research .. I am happy to be here. Today I am going to present this title on the slide."

Hook

- "Hi, my name is .. I am a .. from .. My research .. I am happy to be here. Today I am going to present this title on the slide."
- ✓ Start your talk with a story, a picture, a surprising statistics, a quote, a question, a poll from audience, or a guessing game.

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- "Why do I show this particular picture?"

Once you got everyone's attention with your hook, smoothly transit to the topic you want to talk about.

- "Now why do I tell you this story?"
- "Why do I show this particular picture?"
- "I see most of you raised your hand. But in fact ..."

Preview

Once you have talked about WHY you want to talk about your topic with your hook and transition

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Once you have talked about WHY you want to talk about your topic with your hook and transition give a preview of WHAT you are going to talk about.

Convince

why your audience should spend the next 40 mins of their life

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why your audience should spend the next 40 mins of their life (that they cannot get back)

Convince

why your audience should spend the next 40 mins of their life (that they cannot get back) listening to your talk.

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E.g.,

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E.g.,

What questions will you answer?

Convince

why your audience should spend the next 40 mins of their life (that they cannot get back) listening to your talk.

E.g.,

- What questions will you answer?
- What will they learn?

Convince

why your audience should spend the next 40 mins of their life (that they cannot get back) listening to your talk.

E.g.,

- What questions will you answer?
- What will they learn?
- How will your talk benefit the audience?

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Jia-Bin Huang



- Introduction
- Motivation
- Related work
- Overview
 Proposed method
- Experimental results
- Conclusion



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Instead, start the presentation by explaining

\$\$\$ is All You Need

Jia-Bin Huang



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NO!! I couldn't think of a weaker way of starting presentation with an outline!

Instead, start the presentation by explaining

Why should they care?

Describe why the problem is

- important
- interesting
- challenging

\$\$\$ is All You Need

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Use MENU, instead of OUTLINE!

After motivating your talk

• show a MENU slide that consists of two or three Entrée/parts (topics that you want to cover).

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Why?

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show a MENU slide that consists of two or three Entrée/parts (topics that you want to cover).

Why?

• because the menu provides an easy way to navigate your talk.

- Tell them what you are going to say
 - Present all the Entrée options,
 - then highlight the first one (and don't forget to de-emphasize the remaining ones)
- Say it
 - Now you have set the stage. Just say it
 - Here you can use as many slides as you want to introduce the first Entrée
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 - Summarize what you've just said
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3-steps for each Entrée/part

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Then repeat the 3-steps for next Entrée.

Do not treat your slides as a script, and please babysit your audience's brain!

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Rule of thumbs when preparing a talk:

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Do not treat your slides as a script, and please babysit your audience's brain!

Rule of thumbs when preparing a talk:

- Never write full sentences (unless quoting)
- Always write one-liners
- No more three lines of texts per slides

A sad fact :(

most of your audience may only spend 1 second to each of your slides.

Control the level of details.

Your audience will be much happier to see a concise and clear talk.

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- Include the take-home message for most of your slides
- Use Emphasis/De-emphasis to attract your audience's attention!
 e.g., some take-home message or important concepts.

Use informative slides title!

- Don't use the most salient part of slides to show "Results", "Visual comparison", "Ablation study"
- The title should describe the TAKEAWAY message from that slide.

Algorithm	Scale	SET5 PSNR / SSIM / IFC	SET14 PSNR / SSIM / IFC	BSDS100 PSNR / SSIM / IFC	URBAN100 PSNR / SSIM / IFC	MANGA109 PSNR / SSIM / IFC
Bicubic		33.69 / 0.931 / 6.166	30.25 / 0.870 / 6.126	29.57 / 0.844 / 5.695	26.89 / 0.841 / 6.319	30.86 / 0.936 / 6.214
A+ [3]		36.60 / 0.955 / 8.715	32.32 / 0.906 / 8.200	31.24 / 0.887 / 7.464	29.25 / 0.895 / 8.440	35.37 / 0.968 / 8.906
RFL [5]		36.59 / 0.954 / 8.741	32.29 / 0.905 / 8.224	31.18 / 0.885 / 7.473	29.14 / 0.891 / 8.439	35.12 / 0.966 / 8.921
SelfExSR [22]		36.60 / 0.955 / 8.404	32.24 / 0.904 / 8.018	31.20 / 0.887 / 7.239	29.55 / 0.898 / 8.414	35.82 / 0.969 / 8.721
SRCNN [9]		36.72 / 0.955 / 8.166	32.51 / 0.908 / 7.867	31.38 / 0.889 / 7.242	29.53 / 0.896 / 8.092	35.76 / 0.968 / 8.471
FSRCNN [15]		37.05 / 0.956 / 8.199	32.66 / 0.909 / 7.841	31.53 / 0.892 / 7.180	29.88 / 0.902 / 8.131	36.67 / 0.971 / 8.587
SCN [10]	$2\times$	36.58 / 0.954 / 7.358	32.35 / 0.905 / 7.085	31.26 / 0.885 / 6.500	29.52 / 0.897 / 7.324	35.51 / 0.967 / 7.601
VDSR [11]		37.53 / 0.959 / 8.190	33.05 / 0.913 / 7.878	31.90 / 0.896 / 7.169	30.77 / 0.914 / 8.270	37.22 / 0.975 / 9.120
DRCN [12]		37.63 / 0.959 / 8.326	33.06 / 0.912 / 8.025	31.85 / 0.895 / 7.220	30.76 / 0.914 / 8.527	37.63 / 0.974 / 9.541
LapSRN [16]		37.52 / 0.959 / 9.010	33.08 / 0.913 / 8.501	31.80 / 0.895 / 7.715	30.41 / 0.910 / 8.907	37.27 / 0.974 / 9.481
DRRN [13]		37.74 / 0.959 / 8.671	33.23 / 0.914 / 8.320	32.05 / 0.897 / 7.613	31.23 / 0.919 / 8.917	37.92 / 0.976 / 9.268
dS-LapSRN-D5R2 (ours)		37.62 / 0.960 / 9.038	33.13 / 0.913 / 8.539	31.93 / 0.897 / 7.776	30.82 / 0.915 / 9.081	37.38 / 0.975 / 9.434
dS-LapSRN-D5R5 (ours)		37.72 / 0.960 / 9.265	33.24 / 0.914 / 8.726	32.00 / 0.898 / 7.906	31.01 / 0.917 / 9.334	37.71 / 0.975 / 9.710
MS-LapSRN-D5R8 (ours)		37.78 / 0.960 / 9.305	33.28 / 0.915 / 8.748	32.05 / 0.898 / 7.927	31.15 / 0.919 / 9.406	37.78 / 0.976 / 9.765
Bicubic		30.41 / 0.869 / 3.596	27.55 / 0.775 / 3.491	27.22 / 0.741 / 3.168	24.47 / 0.737 / 3.661	26.99 / 0.859 / 3.521
A+ [3]		32.62 / 0.909 / 4.979	29.15 / 0.820 / 4.545	28.31 / 0.785 / 4.028	26.05 / 0.799 / 4.883	29.93 / 0.912 / 4.880
RFL [5]		32.47 / 0.906 / 4.956	29.07 / 0.818 / 4.533	28.23 / 0.782 / 4.023	25.88 / 0.792 / 4.781	29.61 / 0.905 / 4.758
SelfExSR [22]		32.66 / 0.910 / 4.911	29.18 / 0.821 / 4.505	28.30 / 0.786 / 3.923	26.45 / 0.810 / 4.988	27.57 / 0.821 / 2.193
SRCNN 191		32.78 / 0.909 / 4.682	29.32 / 0.823 / 4.372	28.42 / 0.788 / 3.879	26.25 / 0.801 / 4.630	30.59 / 0.914 / 4.698
FSRCNN [15]		33.18 / 0.914 / 4.970	29.37 / 0.824 / 4.569	28.53 / 0.791 / 4.061	26.43 / 0.808 / 4.878	31.10 / 0.921 / 4.912
SCN [10]	$3 \times$	32.62 / 0.908 / 4.321	29.16 / 0.818 / 4.006	28.33 / 0.783 / 3.553	26.21 / 0.801 / 4.253	30.22 / 0.914 / 4.302
VDSR [11]		33.67 / 0.921 / 5.088	29.78 / 0.832 / 4.606	28.83 / 0.799 / 4.043	27.14 / 0.829 / 5.045	32.01 / 0.934 / 5.389
DRCN [12]		33.83 / 0.922 / 5.202	29.77 / 0.832 / 4.686	28.80 / 0.797 / 4.070	27.15 / 0.828 / 5.187	32.31 / 0.936 / 5.564
LapSRN [16]		33.82 / 0.922 / 5.194	29.87 / 0.832 / 4.662	28.82 / 0.798 / 4.057	27.07 / 0.828 / 5.168	32.21 / 0.935 / 5.406
DRRN [13]		34.03 / 0.924 / 5.397	29.96 / 0.835 / 4.878	28.95 / 0.800 / 4.269	27.53 / 0.764 / 5.456	32.74 / 0.939 / 5.659
MS-LapSRN-D5R2 (ours)		33.88 / 0.923 / 5.165	29.89 / 0.834 / 4.637	28.87 / 0.800 / 4.040	27.23 / 0.831 / 5.142	32.28 / 0.936 / 5.384
MS-LapSRN-D5R5 (ours)		34.01 / 0.924 / 5.307	29.96 / 0.836 / 4.758	28.92 / 0.801 / 4.127	27.39 / 0.835 / 5.333	32.60 / 0.938 / 5.559
MS-LapSRN-D5R8 (ours)		34.06 / 0.924 / 5.390	29.97 / 0.836 / 4.806	28.93 / 0.802 / 4.154	27.47 / 0.837 / 5.409	32.68 / 0.939 / 5.621
Bicubic				25.97 / 0.670 / 1.993	Marian Committee of the	
		28.43 / 0.811 / 2.337	26.01 / 0.704 / 2.246		23.15 / 0.660 / 2.386	24.93 / 0.790 / 2.289
A+ [3]		30.32 / 0.860 / 3.260	27.34 / 0.751 / 2.961	26.83 / 0.711 / 2.565	24.34 / 0.721 / 3.218	27.03 / 0.851 / 3.177
RFL [5]		30.17 / 0.855 / 3.205	27.24 / 0.747 / 2.924	26.76 / 0.708 / 2.538	24.20 / 0.712 / 3.101	26.80 / 0.841 / 3.055
SelfExSR [22]		30.34 / 0.862 / 3.249 30.50 / 0.863 / 2.997	27.41 / 0.753 / 2.952 27.52 / 0.753 / 2.766	26.84 / 0.713 / 2.512 26.91 / 0.712 / 2.412	24.83 / 0.740 / 3.381 24.53 / 0.725 / 2.992	27.83 / 0.866 / 3.358
SRCNN [9]						27.66 / 0.859 / 3.045
FSRCNN [15]	$4 \times$	30.72 / 0.866 / 2.994	27.61 / 0.755 / 2.722	26.98 / 0.715 / 2.370	24.62 / 0.728 / 2.916	27.90 / 0.861 / 2.950
SCN [10]		30.41 / 0.863 / 2.911	27.39 / 0.751 / 2.651	26.88 / 0.711 / 2.309	24.52 / 0.726 / 2.860	27.39 / 0.857 / 2.889
VDSR [11]		31.35 / 0.883 / 3.496	28.02 / 0.768 / 3.071	27.29 / 0.726 / 2.627	25.18 / 0.754 / 3.405	28.83 / 0.887 / 3.664
DRCN [12]		31.54 / 0.884 / 3.502	28.03 / 0.768 / 3.066	27.24 / 0.725 / 2.587	25.14 / 0.752 / 3.412	28.98 / 0.887 / 3.674
LapSRN [16]		31.54 / 0.885 / 3.559	28.19 / 0.772 / 3.147	27.32 / 0.727 / 2.677	25.21 / 0.756 / 3.530	29.09 / 0.890 / 3.729
DRRN [13]		31.68 / 0.888 / 3.703	28.21 / 0.772 / 3.252	27.38 / 0.728 / 2.760	25.44 / 0.764 / 3.700	29.46 / 0.896 / 3.878
		31.62 / 0.887 / 3.585	28.16 / 0.772 / 3.151	27.36 / 0.729 / 2.684	25.32 / 0.760 / 3.537	29.18 / 0.892 / 3.750
MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours) MS-LapSRN-D5R8 (ours)		31.74 / 0.888 / 3.705 31.74 / 0.889 / 3.749	28.25 / 0.773 / 3.238 28.26 / 0.774 / 3.261	27.42 / 0.731 / 2.737 27.43 / 0.731 / 2.755	25.45 / 0.765 / 3.674 25.51 / 0.768 / 3.727	29.48 / 0.896 / 3.888 29.54 / 0.897 / 3.928

✓ It is a very informative table in your paper

Bicubic	2×	33.69 / 0.931 / 6.166 36.60 / 0.935 / 8.715 36.99 / 0.934 / 8.741 36.60 / 0.935 / 8.404 36.72 / 0.935 / 8.404 36.72 / 0.935 / 8.199 36.38 / 0.934 / 7.338 37.53 / 0.939 / 8.190 37.63 / 0.939 / 8.306 37.52 / 0.939 / 9.010 37.74 / 0.939 / 9.010 37.74 / 0.939 / 8.671 37.62 / 0.940 / 9.08	30.25 / 0.870 / 6.126 32.32 / 0.906 / 8.200 32.29 / 0.906 / 8.224 32.24 / 0.904 / 8.018 32.51 / 0.908 / 7.867 32.66 / 0.909 / 7.841 32.35 / 0.905 / 7.085 33.05 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320 33.13 / 0.913 / 8.301	29.57 / 0.844 / 5.695 31.24 / 0.887 / 7.464 31.18 / 0.885 / 7.473 31.20 / 0.889 / 7.242 31.53 / 0.892 / 7.180 31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.715	26.89 / 0.841 / 6.319 29.25 / 0.895 / 8.440 29.14 / 0.891 / 8.439 29.53 / 0.896 / 8.092 29.88 / 0.902 / 8.131 29.52 / 0.896 / 8.092 29.87 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527 30.41 / 0.910 / 8.907	30.86 / 0.936 / 6.214 35.37 / 0.968 / 8.906 35.12 / 0.966 / 8.921 35.82 / 0.969 / 8.721 35.76 / 0.968 / 8.471 36.67 / 0.971 / 8.587 35.51 / 0.967 / 7.601 37.22 / 0.925 / 9.120 37.63 / 0.974 / 9.541
A+ [3] RFL [5] SelfExSR [22] SRCNN [9] FSRCNN [15] SCN [10] VDSR [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-DSR2 (ours) MS-LapSRN-DSR3 (ours)	$2\times$	36.60 / 0.935 / 8.715 36.59 / 0.935 / 8.741 36.60 / 0.935 / 8.404 36.72 / 0.935 / 8.166 37.05 / 0.936 / 8.199 36.58 / 0.934 / 7.338 37.53 / 0.939 / 8.326 37.52 / 0.939 / 8.036 37.52 / 0.939 / 9.010 37.74 / 0.939 / 8.036 37.62 / 0.9396 / 9.038	32.32 / 0.906 / 8.200 32.29 / 0.905 / 8.214 32.24 / 0.908 / 7.867 32.66 / 0.909 / 7.841 32.65 / 0.905 / 7.878 33.05 / 0.915 / 7.878 33.06 / 0.912 / 8.025 33.05 / 0.914 / 8.30 33.23 / 0.914 / 8.30	31.24 / 0.887 / 7.464 31.18 / 0.885 / 7.473 31.20 / 0.887 / 7.239 31.38 / 0.889 / 7.242 31.53 / 0.892 / 7.180 31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	29.25 / 0.895 / 8.440 29.14 / 0.891 / 8.439 29.55 / 0.898 / 8.414 29.53 / 0.896 / 8.092 29.88 / 0.902 / 8.131 29.52 / 0.897 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.270	35.37 / 0.968 / 8.906 35.12 / 0.966 / 8.921 35.82 / 0.969 / 8.721 35.76 / 0.968 / 8.471 36.67 / 0.971 / 8.587 35.51 / 0.967 / 7.601 37.52 / 0.975 / 9.120 37.63 / 0.974 / 9.541
RFL [5] SelfExSR [22] SRCNN [9] FSRCNN [15] SCN [10] VDSR [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)	$2\times$	36.59 / 0.954 / 8.741 36.60 / 0.955 / 8.404 36.72 / 0.955 / 8.166 37.05 / 0.956 / 8.199 36.58 / 0.954 / 7.358 37.53 / 0.959 / 8.326 37.52 / 0.959 / 8.326 37.52 / 0.959 / 8.671 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.008	32.29 / 0.905 / 8.224 32.24 / 0.904 / 8.018 32.51 / 0.908 / 7.867 32.66 / 0.909 / 7.841 32.35 / 0.905 / 7.085 33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.18 / 0.885 / 7.473 31.20 / 0.887 / 7.239 31.38 / 0.889 / 7.242 31.53 / 0.892 / 7.180 31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.250	29.14 / 0.891 / 8.439 29.55 / 0.898 / 8.414 29.53 / 0.896 / 8.092 29.88 / 0.902 / 8.131 29.52 / 0.897 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527	35.12 / 0.966 / 8.921 35.82 / 0.969 / 8.721 35.76 / 0.968 / 8.471 36.67 / 0.971 / 8.587 35.51 / 0.967 / 7.601 37.22 / 0.925 / 9.120 37.63 / 0.974 / 9.541
SelFEASR [22] SRCNN [9] FSRCNN [15] FSRCNN [15] SCN [10] VDSR [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-DSR2 (ours) MS-LapSRN-DSR5 (ours)	$2\times$	36.60 / 0.955 / 8.404 36.72 / 0.955 / 8.166 37.05 / 0.956 / 8.199 36.58 / 0.954 / 7.358 37.53 / 0.959 / 8.326 37.52 / 0.959 / 8.326 37.52 / 0.959 / 8.00 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.008	32.24 / 0.904 / 8.018 32.51 / 0.908 / 7.867 32.66 / 0.909 / 7.841 32.35 / 0.905 / 7.085 33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.20 / 0.887 / 7.239 31.38 / 0.889 / 7.242 31.53 / 0.892 / 7.180 31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	29.55 / 0.898 / 8.414 29.53 / 0.896 / 8.092 29.88 / 0.902 / 8.131 29.52 / 0.897 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527	35.82 / 0.969 / 8.721 35.76 / 0.968 / 8.471 36.67 / 0.971 / 8.587 35.51 / 0.967 / 7.601 37.22 / 0.975 / 9.120 37.63 / 0.974 / 9.541
SRCNN [9] FSRCNN [15] SCN [10] VD5R [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)	$2\times$	36.72 / 0.955 / 8.166 37.05 / 0.956 / 8.199 36.58 / 0.954 / 7.358 37.53 / 0.959 / 8.190 37.63 / 0.959 / 8.326 37.52 / 0.959 / 9.010 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.038	32.51 / 0.908 / 7.867 32.66 / 0.909 / 7.841 32.35 / 0.905 / 7.085 33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.38 / 0.889 / 7.242 31.53 / 0.892 / 7.180 31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	29.53 / 0.896 / 8.092 29.88 / 0.902 / 8.131 29.52 / 0.897 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527	35.76 / 0.968 / 8.471 36.67 / 0.971 / 8.587 35.51 / 0.967 / 7.601 37.22 / 0.975 / 9.120 37.63 / 0.974 / 9.541
FSRCNN [15] SCN [10] VDSR [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)	$2\times$	37.05 / 0.956 / 8.199 36.58 / 0.954 / 7.358 37.53 / 0.959 / 8.190 37.63 / 0.959 / 8.326 37.52 / 0.959 / 9.010 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.038	32.66 / 0.909 / 7.841 32.35 / 0.905 / 7.085 33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.53 / 0.892 / 7.180 31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	29.88 / 0.902 / 8.131 29.52 / 0.897 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527	36.67 / 0.971 / 8.587 35.51 / 0.967 / 7.601 37.22 / 0.975 / 9.120 37.63 / 0.974 / 9.541
SCN [10] VDSR [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-DSR2 (ours) MS-LapSRN-D5R5 (ours)	2×	36.58 / 0.954 / 7.358 37.53 / 0.959 / 8.190 37.63 / 0.959 / 8.326 37.52 / 0.959 / 9.010 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.038	32.35 / 0.905 / 7.085 33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.26 / 0.885 / 6.500 31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	29.52 / 0.897 / 7.324 30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527	35.51 / 0.967 / 7.601 37.22 / 0.975 / 9.120 37.63 / 0.974 / 9.541
VDSR [11] DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-DSR2 (ours) MS-LapSRN-D5R5 (ours)		37.53 / 0.959 / 8.190 37.63 / 0.959 / 8.326 37.52 / 0.959 / 9.010 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.038	33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.90 / 0.896 / 7.169 31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	30.77 / 0.914 / 8.270 30.76 / 0.914 / 8.527	37.22 / 0.975 / 9.120 37.63 / 0.974 / 9.541
DRCN [12] LapSRN [16] DRRN [13] MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)		37.63 / (1.959 / 8.326 37.52 / (1.959 / 9.010 37.74 / (1.959 / 8.671 37.62 / (1.960 / 9.038	33.06 / 0.912 / 8.025 33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.85 / 0.895 / 7.220 31.80 / 0.895 / 7.715	30.76 / 0.914 / 8.527	37.63 / 0.974 / 9.541
LapSRN [16] DRRN [13] MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)		37.52 / 0.959 / 9.010 37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.038	33.08 / 0.913 / 8.501 33.23 / 0.914 / 8.320	31.80 / 0.895 / 7.715		
DRRN [13] MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)		37.74 / 0.959 / 8.671 37.62 / 0.960 / 9.038	33.23 / 0.914 / 8.320			37.27 / 0.974 / 9.481
MS-LapSRN-D5R2 (ours) MS-LapSRN-D5R5 (ours)		37.62 / 0.960 / 9.038		32.05 / 0.897 / 7.613	31.23 / 0.919 / 8.917	37.92 / 0.976 / 9.268
MS-LapSRN-D5R5 (ours)				31.93 / 0.897 / 7.776	30.82 / 0.915 / 9.081	37.38 / 0.975 / 9.434
			33.24 / 0.914 / 8.726	32.00 / 0.898 / 7.906	31.01 / 0.917 / 9.334	37.71 / 0.975 / 9.710
MS-LapSRN-D5R8 (ours)		37.78 / 0.960 / 9.305	33.28 / 0.915 / 8.748	32.05 / 0.898 / 7.927	31.15 / 0.919 / 9.406	37.78 / 0.976 / 9.765
Bicubic		30.41 / 0.869 / 3.596	27.55 / 0.775 / 3.491	27.22 / 0.741 / 3.168	24.47 / 0.737 / 3.661	26.99 / 0.859 / 3.521
A+ [3]		32.62 / 0.909 / 4.979	29.15 / 0.820 / 4.545	28.31 / 0.785 / 4.028	26.05 / 0.799 / 4.883	29.93 / 0.912 / 4.880
RFL [5]	$3\times$	32.47 / 0.906 / 4.956	29.07 / 0.818 / 4.533	28.23 / 0.782 / 4.023	25.88 / 0.792 / 4.781	29.61 / 0.905 / 4.758
SelfExSR [22]		32.66 / 0.910 / 4.911	29.18 / 0.821 / 4.505	28.30 / 0.786 / 3.923	26.45 / 0.810 / 4.988	27.57 / 0.821 / 2.193
SRCNN [9]		32.78 / 0.909 / 4.682	29.32 / 0.823 / 4.372	28.42 / 0.788 / 3.879	26.25 / 0.801 / 4.630	30.59 / 0.914 / 4.698
FSRCNN [15]		33.18 / 0.914 / 4.970	29.37 / 0.824 / 4.569	28.53 / 0.791 / 4.061	26.43 / 0.808 / 4.878	31.10 / 0.921 / 4.912
SCN [10]		32.62 / 0.908 / 4.321	29.16 / 0.818 / 4.006	28.33 / 0.783 / 3.553	26.21 / 0.801 / 4.253	30.22 / 0.914 / 4.302
VDSR [11]		33.67 / 0.921 / 5.088	29.78 / 0.832 / 4.606	28.83 / 0.799 / 4.043	27.14 / 0.829 / 5.045	32.01 / 0.934 / 5.389
DRCN [12]		33.83 / 0.922 / 5.202	29.77 / 0.832 / 4.686	28.80 / 0.797 / 4.070	27.15 / 0.828 / 5.187	32.31 / 0.936 / 5.564
LapSRN [16]		33.82 / 0.922 / 5.194	29.87 / 0.832 / 4.662	28.82 / 0.798 / 4.057	27.07 / 0.828 / 5.168	32.21 / 0.935 / 5.406
DRRN [13]		34.03 / 0.924 / 5.397	29.96 / 0.835 / 4.878	28.95 / 0.800 / 4.269	27.53 / 0.764 / 5.456	32.74 / 0.939 / 5.659
MS-LapSRN-D5R2 (ours)		33.88 / 0.923 / 5.165	29.89 / 0.834 / 4.637	28.87 / 0.800 / 4.040	27.23 / 0.831 / 5.142	32.28 / 0.936 / 5.384
MS-LapSRN-D5R5 (ours)		34.01 / 0.924 / 5.307	29.96 / 0.836 / 4.758	28.92 / 0.801 / 4.127	27.39 / 0.835 / 5.333	32.60 / 0.938 / 5.559
MS-LapSRN-D5R8 (ours)		34.06 / 0.924 / 5.390	29.97 / 0.836 / 4.806	28.93 / 0.802 / 4.154	27.47 / 0.837 / 5.409	32.68 / 0.939 / 5.621
Bicubic		28.43 / 0.811 / 2.337	26.01 / 0.704 / 2.246	25.97 / 0.670 / 1.993	23.15 / 0.660 / 2.386	24.93 / 0.790 / 2.289
A+ [3]		30.32 / 0.860 / 3.260	27.34 / 0.751 / 2.961	26.83 / 0.711 / 2.565	24.34 / 0.721 / 3.218	27.03 / 0.851 / 3.177
RFL [5]		30.17 / 0.855 / 3.205	27.24 / 0.747 / 2.924	26.76 / 0.708 / 2.538	24.20 / 0.712 / 3.101	26.80 / 0.841 / 3.055
SelfExSR [22]		30.34 / 0.862 / 3.249	27.41 / 0.753 / 2.952	26.84 / 0.713 / 2.512	24.83 / 0.740 / 3.381	27.83 / 0.866 / 3.358
SRCNN [9]		30.50 / 0.863 / 2.997	27.52 / 0.753 / 2.766	26.91 / 0.712 / 2.412	24.53 / 0.725 / 2.992	27.66 / 0.859 / 3.045
PSRCNN [15]		30.72 / 0.866 / 2.994	27.61 / 0.755 / 2.722	26.98 / 0.715 / 2.370	24.62 / 0.728 / 2.916	27.90 / 0.861 / 2.950
SCN [10]	$4 \times$	30.41 / 0.863 / 2.911	27.39 / 0.751 / 2.651	26.88 / 0.711 / 2.309	24.52 / 0.726 / 2.860	27.39 / 0.857 / 2.889
VDSR [11]		31.35 / 0.883 / 3.496	28.02 / 0.768 / 3.071	27.29 / 0.726 / 2.627	25.18 / 0.754 / 3.405	28.83 / 0.887 / 3.664
DRCN [12]		31.54 / 0.884 / 3.502	28.03 / 0.768 / 3.066	27.24 / 0.725 / 2.587	25.14 / 0.752 / 3.412	28.98 / 0.887 / 3.674
LapSRN [16]		31.54 / 0.885 / 3.559	28.19 / 0.772 / 3.147	27.32 / 0.727 / 2.677	25.21 / 0.756 / 3.530	29.09 / 0.890 / 3.729
DRRN [13]		31.68 / 0.888 / 3.703	28.21 / 0.772 / 3.252	27.38 / 0.728 / 2.760	25.44 / 0.764 / 3.700	29.46 / 0.896 / 3.878
MS-LapSRN-D5R2 (ours)		31.62 / 0.887 / 3.585	28.16 / 0.772 / 3.151	27.36 / 0.729 / 2.684	25.32 / 0.760 / 3.537	29.18 / 0.892 / 3.750
MS-LapSRN-D5R5 (ours)		31.74 / 0.888 / 3.705	28.25 / 0.773 / 3.238	27.42 / 0.731 / 2.737	25.45 / 0.765 / 3.674	29.48 / 0.896 / 3.888
MS-LapSRN-D5R8 (ours)		31.74 / 0.889 / 3.749	28.26 / 0.774 / 3.261	27.43 / 0.731 / 2.755	25.51 / 0.768 / 3.727	29.54 / 0.897 / 3.928

- ✓ It is a very informative table in your paper
- X It is a disaster for a talk

Algorithm	Scale	SET5 PSNR / SSIM / IFC	SET14 PSNR / SSIM / IFC	BSDS100 PSNR / SSIM / IFC	URBAN100 PSNR / SSIM / IFC	MANGA109 PSNR / SSIM / IFC
Bicubic A + [3] RFL 5] SelfESSR [22] SRCNN 9] PSRCNN 15] SCN [10] VDSR [11] DRCN 12] LapSRN [16] DRRN 13] MS-LapSRN-DSR2 (ours) MS-LapSRN-DSR2 (ours)	2×	33.69 / 0.931 / 6.166 36.60 / 0.955 / 8.715 36.59 / 0.954 / 8.741 36.60 / 0.955 / 8.404 36.72 / 0.955 / 8.404 36.72 / 0.955 / 8.199 36.58 / 0.954 / 7.358 37.53 / 0.959 / 8.306 37.53 / 0.959 / 8.306 37.52 / 0.959 / 9.010 37.74 / 0.959 / 9.671 37.62 / 0.960 / 9.307 37.72 / 0.960 / 9.265	30.25 / 0.870 / 6.126 32.32 / 0.906 / 8.200 32.29 / 0.905 / 8.224 32.24 / 0.904 / 8.018 32.51 / 0.906 / 7.861 32.35 / 0.905 / 7.865 33.05 / 0.913 / 7.878 33.06 / 0.912 / 8.025 33.33 / 0.913 / 8.30 33.31 / 0.913 / 8.30 33.31 / 0.914 / 8.320 33.31 / 0.914 / 8.320	29.57 / 0.844 / 5.695 31.24 / 0.887 / 7.423 31.18 / 0.885 / 7.423 31.20 / 0.887 / 7.239 31.38 / 0.889 / 7.180 31.26 / 0.885 / 6.500 31.50 / 0.885 / 6.500 31.80 / 0.886 / 7.169 31.85 / 0.895 / 7.215 32.05 / 0.897 / 7.613 31.93 / 0.897 / 7.613 31.93 / 0.897 / 7.613	26.89 / 0.841 / 6.319 29.25 / 0.895 / 8.440 29.14 / 0.891 / 8.439 29.55 / 0.896 / 8.414 29.53 / 0.896 / 8.092 29.88 / 0.907 / 7.324 0.077 / 0.914 / 8.270 30.76 / 0.914 / 8.270 30.73 / 0.915 / 8.917 30.82 / 0.915 / 9.811 30.82 / 0.915 / 9.811 30.83 / 0.915 / 9.811 30.84 / 0.915 / 9.811	30.86 / 0.936 / 6.214 35.37 / 0.968 / 8.906 35.12 / 0.966 / 8.921 35.82 / 0.969 / 8.721 35.76 / 0.968 / 8.471 35.51 / 0.967 / 7.601 37.22 / 0.977 / 9.120 37.63 / 0.974 / 9.541 37.27 / 0.976 / 9.481 37.29 / 0.976 / 9.268 37.38 / 0.975 / 9.210
MS-LapSRN-DSR8 (ours) Bicubic A+ [3] RRFL [5] SolfESSR [22] SRCNN [9] FSRCNN [15] VDSR [11] DRCN [12] LapSRN [16] MS-LapSRN-DSR2 (ours) MS-LapSRN-DSR5 (ours) MS-LapSRN-DSR8 (ours)	3×	37.78 / 0.960 / 9.105 30.41 / 0.869 / 3.05 32.62 / 0.909 / 4.979 32.47 / 0.906 / 4.979 32.67 / 0.906 / 4.91 32.78 / 0.909 / 4.882 33.18 / 0.914 / 4.970 32.62 / 0.908 / 4.321 33.67 / 0.921 / 5.088 33.83 / 0.922 / 5.104 33.83 / 0.922 / 5.105 33.83 / 0.922 / 5.104 4.01 / 0.924 / 5.307 34.01 / 0.924 / 5.307	33.28 / 0.915 / 8.748 27.55 / 0.775 / 3.020 / 4.545 29.07 / 0.816 / 4.533 29.07 / 0.816 / 4.533 29.18 / 0.821 / 4.305 29.32 / 0.823 / 4.309 29.37 / 0.824 / 4.509 29.76 / 0.8316 / 4.006 29.77 / 0.832 / 4.606 29.76 / 0.835 / 4.607 29.56 / 0.836 / 4.508	32.05 / 0.898 / 7.927 27 22 / 0.741 / 3.168 28.23 / 0.785 / 4.028 28.23 / 0.782 / 4.023 28.24 / 0.788 / 3.923 28.42 / 0.788 / 3.873 28.42 / 0.788 / 3.873 28.43 / 0.788 / 3.873 28.83 / 0.797 / 4.073 28.80 / 0.797 / 4.073 28.87 / 0.800 / 4.043 28.87 / 0.800 / 4.043 28.87 / 0.800 / 4.043 28.87 / 0.800 / 4.043 28.92 / 0.801 / 4.043 28.93 / 0.800 / 4.043	31.15 / 0.919 / 9.406 24.47 / 0.737 / 3.406 24.47 / 0.737 / 3.406 25.88 / 0.792 / 4.781 25.88 / 0.792 / 4.781 26.25 / 0.801 / 4.630 26.25 / 0.801 / 4.630 26.25 / 0.801 / 4.630 26.25 / 0.801 / 4.630 27.14 / 0.829 / 5.045 27.15 / 0.829 / 5.168 27.35 / 0.764 / 5.456 27.35 / 0.764 / 5.456 27.39 / 0.835 / 5.316	37.28 / 0.976 / 9.765 26.99 / 0.859 / 3.70 26.99 / 0.859 / 3.70 29.93 / 0.912 / 4.880 29.61 / 0.905 / 4.758 30.59 / 0.914 / 4.698 30.29 / 0.914 / 4.698 30.29 / 0.914 / 4.302 30.21 / 0.934 / 5.394 32.21 / 0.935 / 5.646 32.74 / 0.939 / 5.621 32.28 / 0.939 / 5.634
Bicubic A 13 RFL 15 SelfESR 122 SRCNN 19 PSRCNN 15 SCN 10 VDSR 111 DRCN 125 LapSRN 164 DRRN 13 MS-LapSRN-DSR2 (ours) MS-LapSRN-DSR5 (ours) MS-LapSRN-DSR5 (ours)	4×	28.43 / 0.811 / 2.337 30.32 / 0.860 / 3.055 / 3.00 30.17 / 0.855 / 3.205 30.34 / 0.862 / 3.249 30.50 / 0.866 / 2.994 30.72 / 0.866 / 2.994 30.72 / 0.866 / 2.991 31.35 / 0.885 / 3.96 31.54 / 0.885 / 3.559 31.62 / 0.885 / 3.559 31.62 / 0.887 / 3.885 31.74 / 0.889 / 3.705	2601 / 0.704 / 2.246 27.34 / 0.751 / 2.04 27.24 / 0.747 / 9.21 27.24 / 0.747 / 9.22 27.41 / 0.755 / 2.952 27.52 / 0.755 / 2.752 27.53 / 0.755 / 2.752 27.39 / 0.751 / 2.651 28.02 / 0.768 / 3.076 28.19 / 0.772 / 3.147 28.21 / 0.772 / 3.252 28.16 / 0.777 / 3.151 28.25 / 0.774 / 3.262 28.26 / 0.774 / 3.262	25.97 0.670 1.993 26.83 0.271 2.565 26.76 0.070 2.518 26.84 0.713 2.512 26.99 0.712 2.412 26.99 0.715 2.370 27.29 0.726 2.627 27.24 0.725 2.587 27.32 0.727 2.677 27.36 0.728 2.764 27.24 0.731 2.737 27.38 0.728 2.742 27.36 0.728 2.742 27.43 0.731 2.735	23.15 / 0.660 / 2.386 24.34 / 0.721 / 2.18 24.20 / 0.71 / 3.101 24.83 / 0.740 / 3.381 24.83 / 0.740 / 3.381 24.83 / 0.75 / 2.992 24.62 / 0.728 / 2.960 25.18 / 0.75 / 2.860 25.18 / 0.75 / 3.412 25.21 / 0.756 / 3.530 25.44 / 0.76 / 3.730 25.45 / 0.766 / 3.530 25.45 / 0.766 / 3.530	24.93 / 0.790 / 2.289 27.00 / 0.851 / 3.177 26.80 / 0.81 / 3.055 27.83 / 0.866 / 3.388 27.96 / 0.869 / 3.045 27.99 / 0.861 / 2.959 28.83 / 0.887 / 3.674 29.09 / 0.890 / 3.729 29.46 / 0.896 / 3.873 29.18 / 0.897 / 3.674 29.28 / 0.887 / 3.674 29.28 / 0.887 / 3.674 29.28 / 0.889 / 3.873 29.48 / 0.896 / 3.739 29.48 / 0.896 / 3.873 29.48 / 0.897 / 3.750

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 - No one knows what [17] and [39] mean

Algorithm	Scale	SET5 PSNR / SSIM / IFC	SET14 PSNR / SSIM / IFC	BSDS100 PSNR / SSIM / IFC	URBAN100 PSNR / SSIM / IFC	MANGA109 PSNR / SSIM / IFC
Bicubic		33.69 / 0.931 / 6.166	30.25 / 0.870 / 6.126	29.57 / 0.844 / 5.695	26.89 / 0.841 / 6.319	30.86 / 0.936 / 6.214
A+ [3]		36.60 / 0.955 / 8.715	32.32 / 0.906 / 8.200	31.24 / 0.887 / 7.464	29.25 / 0.895 / 8.440	35.37 / 0.968 / 8.906
RFL [5]		36.59 / 0.954 / 8.741	32.29 / 0.905 / 8.224	31.18 / 0.885 / 7.473	29.14 / 0.891 / 8.439	35.12 / 0.966 / 8.921
SelfExSR [22]		36.60 / 0.955 / 8.404	32.24 / 0.904 / 8.018	31.20 / 0.887 / 7.239	29.55 / 0.898 / 8.414	35.82 / 0.969 / 8.721
SRCNN [9]		36.72 / 0.955 / 8.166	32.51 / 0.908 / 7.867	31.38 / 0.889 / 7.242	29.53 / 0.896 / 8.092	35.76 / 0.968 / 8.471
FSRCNN [15]		37.05 / 0.956 / 8.199	32.66 / 0.909 / 7.841	31.53 / 0.892 / 7.180	29.88 / 0.902 / 8.131	36.67 / 0.971 / 8.587
SCN [10]	$2\times$	36.58 / 0.954 / 7.358	32.35 / 0.905 / 7.085	31.26 / 0.885 / 6.500	29.52 / 0.897 / 7.324	35.51 / 0.967 / 7.601
VDSR [11]		37.53 / 0.959 / 8.190	33.05 / 0.913 / 7.878	31.90 / 0.896 / 7.169	30.77 / 0.914 / 8.270	37.22 / 0.975 / 9.120
DRCN [12]		37.63 / 0.959 / 8.326	33.06 / 0.912 / 8.025	31.85 / 0.895 / 7.220	30.76 / 0.914 / 8.527	37.63 / 0.974 / 9.541
LapSRN [16]		37.52 / 0.959 / 9.010	33.08 / 0.913 / 8.501	31.80 / 0.895 / 7.715	30.41 / 0.910 / 8.907	37.27 / 0.974 / 9.481
DRRN [13]		37.74 / 0.959 / 8.671	33.23 / 0.914 / 8.320	32.05 / 0.897 / 7.613	31.23 / 0.919 / 8.917	37.92 / 0.976 / 9.268
4S-LapSRN-D5R2 (ours)		37.62 / 0.960 / 9.038	33.13 / 0.913 / 8.539	31.93 / 0.897 / 7.776	30.82 / 0.915 / 9.081	37.38 / 0.975 / 9.434
4S-LapSRN-D5R5 (ours)		37.72 / 0.960 / 9.265	33.24 / 0.914 / 8.726	32.00 / 0.898 / 7.906	31.01 / 0.917 / 9.334	37.71 / 0.975 / 9.710
dS-LapSRN-D5R8 (ours)		37.78 / 0.960 / 9.305	33.28 / 0.915 / 8.748	32.05 / 0.898 / 7.927	31.15 / 0.919 / 9.406	37.78 / 0.976 / 9.765
Bicubic		30.41 / 0.869 / 3.596	27.55 / 0.775 / 3.491	27.22 / 0.741 / 3.168	24.47 / 0.737 / 3.661	26.99 / 0.859 / 3.521
A+ [3]		32.62 / 0.909 / 4.979	29.15 / 0.820 / 4.545	28.31 / 0.785 / 4.028	26.05 / 0.799 / 4.883	29.93 / 0.912 / 4.880
RFL [5]		32.47 / 0.906 / 4.956	29.07 / 0.818 / 4.533	28.23 / 0.782 / 4.023	25.88 / 0.792 / 4.781	29.61 / 0.905 / 4.758
SelfExSR [22]		32.66 / 0.910 / 4.911	29.18 / 0.821 / 4.505	28.30 / 0.786 / 3.923	26.45 / 0.810 / 4.988	27.57 / 0.821 / 2.193
SRCNN [9]		32.78 / 0.909 / 4.682	29.32 / 0.823 / 4.372	28.42 / 0.788 / 3.879	26.25 / 0.801 / 4.630	30.59 / 0.914 / 4.698
PSRCNN [15]	0	33.18 / 0.914 / 4.970	29.37 / 0.824 / 4.569	28.53 / 0.791 / 4.061	26.43 / 0.808 / 4.878	31.10 / 0.921 / 4.912
SCN [10]	$3\times$	32.62 / 0.908 / 4.321	29.16 / 0.818 / 4.006	28.33 / 0.783 / 3.553	26.21 / 0.801 / 4.253	30.22 / 0.914 / 4.302
VDSR [11]		33.67 / 0.921 / 5.088	29.78 / 0.832 / 4.606	28.83 / 0.799 / 4.043	27.14 / 0.829 / 5.045	32.01 / 0.934 / 5.389
DRCN [12]		33.83 / 0.922 / 5.202	29.77 / 0.832 / 4.686	28.80 / 0.797 / 4.070	27.15 / 0.828 / 5.187	32.31 / 0.936 / 5.564
LapSRN [16]		33.82 / 0.922 / 5.194	29.87 / 0.832 / 4.662	28.82 / 0.798 / 4.057	27.07 / 0.828 / 5.168	32.21 / 0.935 / 5.406
DRRN [13]		34.03 / 0.924 / 5.397	29.96 / 0.835 / 4.878	28.95 / 0.800 / 4.269	27.53 / 0.764 / 5.456	32.74 / 0.939 / 5.659
dS-LapSRN-D5R2 (ours)		33.88 / 0.923 / 5.165	29.89 / 0.834 / 4.637	28.87 / 0.800 / 4.040	27.23 / 0.831 / 5.142	32.28 / 0.936 / 5.384
4S-LapSRN-D5R5 (ours)		34.01 / 0.924 / 5.307	29.96 / 0.836 / 4.758	28.92 / 0.801 / 4.127	27.39 / 0.835 / 5.333	32.60 / 0.938 / 5.559
4S-LapSRN-D5R8 (ours)		34.06 / 0.924 / 5.390	29.97 / 0.836 / 4.806	28.93 / 0.802 / 4.154	27.47 / 0.837 / 5.409	32.68 / 0.939 / 5.621
Bicubic		28.43 / 0.811 / 2.337	26.01 / 0.704 / 2.246	25.97 / 0.670 / 1.993	23.15 / 0.660 / 2.386	24.93 / 0.790 / 2.289
A+ [3]		30.32 / 0.860 / 3.260	27.34 / 0.751 / 2.961	26.83 / 0.711 / 2.565	24.34 / 0.721 / 3.218	27.03 / 0.851 / 3.177
RFL [5]		30.17 / 0.855 / 3.205	27.24 / 0.747 / 2.924	26.76 / 0.708 / 2.538	24.20 / 0.712 / 3.101	26.80 / 0.841 / 3.055
SelfExSR [22]		30.34 / 0.862 / 3.249	27.41 / 0.753 / 2.952	26.84 / 0.713 / 2.512	24.83 / 0.740 / 3.381	27.83 / 0.866 / 3.358
SRCNN [9]		30.50 / 0.863 / 2.997	27.52 / 0.753 / 2.766	26.91 / 0.712 / 2.412	24.53 / 0.725 / 2.992	27.66 / 0.859 / 3.045
FSRCNN [15]	4×	30.72 / 0.866 / 2.994	27.61 / 0.755 / 2.722	26.98 / 0.715 / 2.370	24.62 / 0.728 / 2.916	27.90 / 0.861 / 2.950
SCN [10]	4.0	30.41 / 0.863 / 2.911	27.39 / 0.751 / 2.651	26.88 / 0.711 / 2.309	24.52 / 0.726 / 2.860	27.39 / 0.857 / 2.889
VDSR [11]		31.35 / 0.883 / 3.496	28.02 / 0.768 / 3.071	27.29 / 0.726 / 2.627	25.18 / 0.754 / 3.405	28.83 / 0.887 / 3.66
DRCN [12]		31.54 / 0.884 / 3.502	28.03 / 0.768 / 3.066	27.24 / 0.725 / 2.587	25.14 / 0.752 / 3.412	28.98 / 0.887 / 3.674
LapSRN [16]		31.54 / 0.885 / 3.559	28.19 / 0.772 / 3.147	27.32 / 0.727 / 2.677	25.21 / 0.756 / 3.530	29.09 / 0.890 / 3.729
		31.68 / 0.888 / 3.703	28.21 / 0.772 / 3.252	27.38 / 0.728 / 2.760	25.44 / 0.764 / 3.700	29.46 / 0.896 / 3.878
DRRN [13]						
		31.62 / 0.887 / 3.585	28.16 / 0.772 / 3.151	27.36 / 0.729 / 2.684	25.32 / 0.760 / 3.537	29.18 / 0.892 / 3.750
DRRN [13]			28.16 / 0.772 / 3.151 28.25 / 0.773 / 3.238	27.36 / 0.729 / 2.684 27.42 / 0.731 / 2.737	25.32 / 0.760 / 3.537 25.45 / 0.765 / 3.674 25.51 / 0.768 / 3.727	29.18 / 0.892 / 3.750 29.48 / 0.896 / 3.888

- ✓ It is a very informative table in your paper
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Algorithm	Scale	SET5 PSNR / SSIM / IFC	SET14 PSNR / SSIM / IFC	BSDS100 PSNR / SSIM / IFC	URBAN100 PSNR / SSIM / IFC	MANGA109 PSNR / SSIM / IFC
Bicubic	2×	33.69 / 0.931 / 6.166	30.25 / 0.870 / 6.126	29.57 / 0.844 / 5.695	26.89 / 0.841 / 6.319	30.86 / 0.936 / 6.21
A+ [3]		36.60 / 0.955 / 8.715	32.32 / 0.906 / 8.200	31.24 / 0.887 / 7.464	29.25 / 0.895 / 8.440	35.37 / 0.968 / 8.906
RFL [5]		36.59 / 0.954 / 8.741	32.29 / 0.905 / 8.224	31.18 / 0.885 / 7.473	29.14 / 0.891 / 8.439	35.12 / 0.966 / 8.923
SelfExSR [22]		36.60 / 0.955 / 8.404	32.24 / 0.904 / 8.018	31.20 / 0.887 / 7.239	29.55 / 0.898 / 8.414	35.82 / 0.969 / 8.72
SRCNN [9]		36.72 / 0.955 / 8.166	32.51 / 0.908 / 7.867	31.38 / 0.889 / 7.242	29.53 / 0.896 / 8.092	35.76 / 0.968 / 8.47
PSRCNN [15]		37.05 / 0.956 / 8.199	32.66 / 0.909 / 7.841	31.53 / 0.892 / 7.180	29.88 / 0.902 / 8.131	36.67 / 0.971 / 8.583
SCN [10]		36.58 / 0.954 / 7.358	32.35 / 0.905 / 7.085	31.26 / 0.885 / 6.500	29.52 / 0.897 / 7.324	35.51 / 0.967 / 7.60
VDSR [11]		37.53 / 0.959 / 8.190	33.05 / 0.913 / 7.878	31.90 / 0.896 / 7.169	30.77 / 0.914 / 8.270	37.22 / 0.975 / 9.120
DRCN [12]		37.63 / 0.959 / 8.326	33.06 / 0.912 / 8.025	31.85 / 0.895 / 7.220	30.76 / 0.914 / 8.527	37.63 / 0.974 / 9.54
LapSRN [16]		37.52 / 0.959 / 9.010	33.08 / 0.913 / 8.501	31.80 / 0.895 / 7.715	30.41 / 0.910 / 8.907	37.27 / 0.974 / 9.483
DRRN [13]		37.74 / 0.959 / 8.671	33.23 / 0.914 / 8.320	32.05 / 0.897 / 7.613	31.23 / 0.919 / 8.917	37.92 / 0.976 / 9.26
dS-LapSRN-D5R2 (ours)		37.62 / 0.960 / 9.038	33.13 / 0.913 / 8.539	31.93 / 0.897 / 7.776	30.82 / 0.915 / 9.081	37.38 / 0.975 / 9.43
4S-LapSRN-D5R5 (ours)		37.72 / 0.960 / 9.265	33.24 / 0.914 / 8.726	32.00 / 0.898 / 7.906	31.01 / 0.917 / 9.334	37.71 / 0.975 / 9.71
4S-LapSRN-D5R8 (ours)		37.78 / 0.960 / 9.305	33.28 / 0.915 / 8.748	32.05 / 0.898 / 7.927	31.15 / 0.919 / 9.406	37.78 / 0.976 / 9.76
Bicubic		30.41 / 0.869 / 3.596	27.55 / 0.775 / 3.491	27.22 / 0.741 / 3.168	24.47 / 0.737 / 3.661	26.99 / 0.859 / 3.52
A+ [3]		32.62 / 0.909 / 4.979	29.15 / 0.820 / 4.545	28.31 / 0.785 / 4.028	26.05 / 0.799 / 4.883	29.93 / 0.912 / 4.880
RFL [5]		32.47 / 0.906 / 4.956	29.07 / 0.818 / 4.533	28.23 / 0.782 / 4.023	25.88 / 0.792 / 4.781	29.61 / 0.905 / 4.75
SelfExSR [22]	3×	32.66 / 0.910 / 4.911	29.18 / 0.821 / 4.505	28.30 / 0.786 / 3.923	26.45 / 0.810 / 4.988	27.57 / 0.821 / 2.19
SRCNN [9]		32.78 / 0.909 / 4.682	29.32 / 0.823 / 4.372	28.42 / 0.788 / 3.879	26.25 / 0.801 / 4.630	30.59 / 0.914 / 4.69
PSRCNN [15]		33.18 / 0.914 / 4.970	29.37 / 0.824 / 4.569	28.53 / 0.791 / 4.061	26.43 / 0.808 / 4.878	31.10 / 0.921 / 4.91
SCN [10]		32.62 / 0.908 / 4.321	29.16 / 0.818 / 4.006	28.33 / 0.783 / 3.553	26.21 / 0.801 / 4.253	30.22 / 0.914 / 4.30
VDSR [11]		33.67 / 0.921 / 5.088	29.78 / 0.832 / 4.606	28.83 / 0.799 / 4.043	27.14 / 0.829 / 5.045	32.01 / 0.934 / 5.38
DRCN [12]		33.83 / 0.922 / 5.202	29.77 / 0.832 / 4.686	28.80 / 0.797 / 4.070	27.15 / 0.828 / 5.187	32.31 / 0.936 / 5.56
LapSRN [16]		33.82 / 0.922 / 5.194	29.87 / 0.832 / 4.662	28.82 / 0.798 / 4.057	27.07 / 0.828 / 5.168	32.21 / 0.935 / 5.40
DRRN [13]		34.03 / 0.924 / 5.397	29.96 / 0.835 / 4.878	28.95 / 0.800 / 4.269	27.53 / 0.764 / 5.456	32.74 / 0.939 / 5.65
dS-LapSRN-D5R2 (ours)		33.88 / 0.923 / 5.165	29.89 / 0.834 / 4.637	28.87 / 0.800 / 4.040	27.23 / 0.831 / 5.142	32.28 / 0.936 / 5.38
dS-LapSRN-D5R5 (ours)		34.01 / 0.924 / 5.307	29.96 / 0.836 / 4.758	28.92 / 0.801 / 4.127	27.39 / 0.835 / 5.333	32.60 / 0.938 / 5.55
dS-LapSRN-D5R8 (ours)		34.06 / 0.924 / 5.390	29.97 / 0.836 / 4.806	28.93 / 0.802 / 4.154	27.47 / 0.837 / 5.409	32.68 / 0.939 / 5.62
Bicubic	4×	28.43 / 0.811 / 2.337	26.01 / 0.704 / 2.246	25.97 / 0.670 / 1.993	23.15 / 0.660 / 2.386	24.93 / 0.790 / 2.28
A+ [3]		30.32 / 0.860 / 3.260	27.34 / 0.751 / 2.961	26.83 / 0.711 / 2.565	24.34 / 0.721 / 3.218	27.03 / 0.851 / 3.17
RFL [5]		30.17 / 0.855 / 3.205	27.24 / 0.747 / 2.924	26.76 / 0.708 / 2.538	24.20 / 0.712 / 3.101	26.80 / 0.841 / 3.05
SelfExSR [22]		30.34 / 0.862 / 3.249	27.41 / 0.753 / 2.952	26.84 / 0.713 / 2.512	24.83 / 0.740 / 3.381	27.83 / 0.866 / 3.35
SRCNN [9]		30.50 / 0.863 / 2.997	27.52 / 0.753 / 2.766	26.91 / 0.712 / 2.412	24.53 / 0.725 / 2.992	27.66 / 0.859 / 3.04
PSRCNN [15]		30.72 / 0.866 / 2.994	27.61 / 0.755 / 2.722	26.98 / 0.715 / 2.370	24.62 / 0.728 / 2.916	27.90 / 0.861 / 2.95
SCN [10]		30.41 / 0.863 / 2.911	27.39 / 0.751 / 2.651	26.88 / 0.711 / 2.309	24.52 / 0.726 / 2.860	27.39 / 0.857 / 2.88
VDSR [11]		31.35 / 0.883 / 3.496	28.02 / 0.768 / 3.071	27.29 / 0.726 / 2.627	25.18 / 0.754 / 3.405	28.83 / 0.887 / 3.66
DRCN [12]		31.54 / 0.884 / 3.502	28.03 / 0.768 / 3.066	27.24 / 0.725 / 2.587	25.14 / 0.752 / 3.412	28.98 / 0.887 / 3.67
LapSRN [16]		31.54 / 0.885 / 3.559	28.19 / 0.772 / 3.147	27.32 / 0.727 / 2.677	25.21 / 0.756 / 3.530	29.09 / 0.890 / 3.72
DRRN [13]		31.68 / 0.888 / 3.703	28.21 / 0.772 / 3.252	27.38 / 0.728 / 2.760	25.44 / 0.764 / 3.700	29.46 / 0.896 / 3.87
dS-LapSRN-D5R2 (ours)		31.62 / 0.887 / 3.585	28.16 / 0.772 / 3.151	27.36 / 0.729 / 2.684	25.32 / 0.760 / 3.537	29.18 / 0.892 / 3.75
dS-LapSRN-D5R5 (ours)		31.74 / 0.888 / 3.705	28.25 / 0.773 / 3.238	27.42 / 0.731 / 2.737	25.45 / 0.765 / 3.674	29.48 / 0.896 / 3.88
4S-LapSRN-D5R8 (ours)		31.74 / 0.889 / 3.749	28.26 / 0.774 / 3.261	27.43 / 0.731 / 2.755	25.51 / 0.768 / 3.727	29.54 / 0.897 / 3.92

Highlight and interpret the key results for your audience.

Explain how to read your plots step-by-step:

Explain how to read your plots step-by-step:

• What does x-axis/y-axis mean?

Explain how to read your plots step-by-step:

- What does x-axis/y-axis mean?
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Explain how to read your plots step-by-step:

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If you plan to skip the discussion of some figures, just remove them.

The hardest part of giving a good technical talk is not using much math.

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```
\begin{split} \textbf{Concrete super-}\beta \mid \\ \textbf{\textit{Local-Inlinable}}((\kappa',\psi'),pr) \iff \\ \forall ([\ell' e^* e^*)_{\sim}], \beta, \forall e, \delta, t) \in \mathcal{V}(pr) : \\ \text{if } \kappa = \kappa' \text{ and } (L_{pr}(\psi),\beta_b,t_b) = A\beta \text{ ve } tI \\ \text{then } \begin{cases} \psi = \psi' & |[t_b,t]| > \overline{\gamma} \in \\ \exists \overline{\gamma} : \int_{1}^{\infty} |bee(L_{pr}(\psi')) \in \overline{B}(\overline{\gamma}). \end{cases} \end{split}
```

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Even for experts, it takes time to parse and translate mathematics into internal mental concepts.

```
Concrete super-\beta |

Local-Inlinable((\kappa',\psi'),pr) \iff \forall ([\{(f\ e^*\ q^*\}_a],\beta,ve,\delta,t)\in\mathcal{V}(pr): \\ \text{if } \kappa = \kappa' \text{ and } ([\ell_p(\psi),\partial_b\ l_0] = A\beta \text{ ve tot} \\ \{\psi = \psi' \\ \text{then } \{[l_0,t]\} \nearrow^{\ell} \epsilon \\ \exists \vec{q}: \{[l_0,t]\} \subseteq \overline{R(S)} \}
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\begin{aligned}
Local-Inlinable((\kappa',\psi'),pr) &\iff \\
&\forall [[(f e^* q^*)_a],\beta, ve,\delta,t) \in \mathcal{V}(pr): \\
&\text{if } \kappa = \kappa' \text{ and } (L_p(\psi),\beta_b,l_b) = \mathcal{A}\beta \text{ ve t } t \\
&\text{then } \begin{cases}
\psi &= \psi' \\
\exists \vec{\tau} : \int [[l_b,l]] \vdash \vec{\tau} \in \\
\exists erot(L_p(\psi)) \subseteq \overline{B(\vec{\tau})}.
\end{aligned}
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Ask yourself the following questions:

1 Is understanding this math essential to the idea?

```
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 |f \kappa = \kappa' \text{ and } (l_p(\psi), \beta_b, l_b) = A\beta \text{ ve to} 
 |\{\psi = \psi'\}| 
 |\{g_{\overline{\gamma}}\}| [[l_b, t]] > \overline{\gamma} \in
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 \begin{split} Local-inlinable((\kappa',\psi'),pr) &\iff \forall ([\ell' \circ ^*q')_{\kappa}], \beta, ve, \delta, t) \in \mathcal{V}(pr): \\ & \text{if } \kappa = \kappa' \text{ and } (L_{pr}(\psi), \beta_b, t_b) = \mathcal{A}\beta \text{ ve t } t \\ & \text{then } \begin{cases} \psi = \psi' \left[ [[t_b,t]] \right] \nearrow^{\gamma} \epsilon \\ \frac{1}{2\gamma'} \cdot \left\{ f^{\text{tree}}(L_{pr}(\psi')) \subseteq \overline{B(\bar{\gamma})}. \end{cases} \end{aligned}
```

- Is understanding this math essential to the idea?
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 \begin{split} Local-inlinable((\kappa',\psi'),\rho r) &\iff \forall ([\ell' \ e^* \ q^*)_{\kappa}], \beta, ve, \delta, t) \in \mathcal{V}(\rho r): \\ & \text{if } \kappa = \kappa' \ \text{and} \ (L_{pr}(\psi), \beta_b, t_b) = \mathcal{A} \beta \text{ ve t } t \\ & \text{then} \quad \begin{cases} \psi = \psi' \left[ [[b,t]] \right] \nearrow^{q} \epsilon \\ \frac{1}{37} \cdot \left\{ f \text{vec}(L_{pr}(\psi')) \subseteq \overline{B(\bar{\gamma})}. \end{cases} \end{aligned}
```

- Is understanding this math essential to the idea?
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 \begin{split} \textit{Local-inlinable}((\kappa', \psi'), pr) & \Longleftrightarrow \\ \forall \{\{(t \circ \circ q^*)_\kappa\}_n, \forall, e, \delta, t\} \in \mathcal{V}(pr): \\ & \text{if } \kappa = \kappa' \text{ and } (L_{pr}(\psi), \beta_b, t_b) = \mathcal{A}\beta \text{ ve } tf \\ & \text{then } \begin{cases} \psi = \psi \\ \exists \vec{\gamma}: \begin{cases} f([[t_b, t]]) \vdash^{\vec{\gamma}} \epsilon \\ f(\theta(t_p)(\psi')) \subseteq \overline{B(\vec{\gamma})}. \end{cases} \end{split}
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You have kicked off your talk with a fascinating story and presented an amazing body of work.

You have kicked off your talk with a fascinating story and presented an amazing body of work.

So now how do you end your talk?

You have kicked off your talk with a fascinating story and presented an amazing body of work.

So now how do you end your talk?

Check out a simple template I like!

Look back

- Remind everyone what the KEY POINTS are
- Remember that your audience's memory buffer is very limited (typically no more than 3 phrases).
- Make it visual! Make it concise!

Answer the NOW WHAT question for your audience.

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• Where can they learn more?

Answer the NOW WHAT question for your audience.

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- What new exciting directions can they explore?

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Make it actionable!

Give credits

BE generous!

Give credits

• Highlight the heroines/heroes behind the scene with their names and pictures!

BE generous!

Give credits

- Highlight the heroines/heroes behind the scene with their names and pictures!
- Credits are NOT like money. Giving others credits does not make you have less credits.

BE generous!

Do NOT waste it on showing a meaningless "thank you slide".

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At the end of your talk,

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At the end of your talk,

• Show the summary slide as your final slide.

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- This slide would stay up for the last 5 mins during the Q & A.

Do NOT waste it on showing a meaningless "thank you slide".

At the end of your talk,

- Show the summary slide as your final slide.
- This slide would stay up for the last 5 mins during the Q & A.
- It helps people ask good questions.

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Repeating and summarizing the key questions help!

1 ensure the audience feel heard,

- ensure the audience feel heard,
- 2 confirm that you are answering the right Q,

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- 3 let other audience understand what the Q is, and

- ensure the audience feel heard,
- 2 confirm that you are answering the right Q,
- 3 let other audience understand what the Q is, and
- 4) give yourself a bit buffer to think and plan your answer.

Address the question directly and concisely.

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Don't spend 1 min flipping through your slides trying to find the exact slide!!!

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When you

know your shit ⇒ Answer concisely.

Address the question directly and concisely.

Don't spend 1 min flipping through your slides trying to find the exact slide!!!

When you

- know your shit ⇒ Answer concisely.
- don't know the ans. ⇒ Admit you don't know and commit to follow up.

Don't let tough questions disrupt your pace, e.g.,

• Back-to-the-future questions:

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Manage your pace and make your talk under your control!

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- Schmidhuber-based questions:

Manage your pace and make your talk under your control!

Don't let tough questions disrupt your pace, e.g.,

- Back-to-the-future questions:
 - "I will cover that in a next few slides."
- Insist on unnecessary details:
 - "More than happy to discuss offline."
- Schmidhuber-based questions:
 - "Our work differs ..."

"Any questions for this part?", "Is this clear?", "Does it make sense?"

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 - It may imply that your audience just gave up or simply don't care.

- "Any questions for this part?", "Is this clear?", "Does it make sense?"
 - No questions asked indicates a clear talk??
 - It may imply that your audience just gave up or simply don't care.
- ✓ Instead, you can say, "Can I have two questions here?"

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How to Present a Line Plot?

Check this website.

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How to Make a Research Poster?

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https://www.youtube.com/watch?v=5tidNjeVG8s