

## Video Lectures on Operator Theory

SNo.	Title	Link
1	Properties of Gelphand Transform	<a href="https://youtu.be/KCVhPzXNz4k">https://youtu.be/KCVhPzXNz4k</a>
2	Riesz Functional Calculus	<a href="https://youtu.be/SGN1WACT008">https://youtu.be/SGN1WACT008</a>
3	Applications of Functional Calculus	<a href="https://youtu.be/ymMU4eeU3bo">https://youtu.be/ymMU4eeU3bo</a>
4	Discussion on Multiplication Operator	<a href="https://youtu.be/bWJGWCNDpBU">https://youtu.be/bWJGWCNDpBU</a>
5	Spectral Theorem Conway Approach Part 1	<a href="https://youtu.be/huEh0kM1fFE">https://youtu.be/huEh0kM1fFE</a>
6	Spectral Theorem contd Conway Approach Part 2	<a href="https://youtu.be/CHZx2VlrPrw">https://youtu.be/CHZx2VlrPrw</a>
7	Representation of $B(X)$	<a href="https://youtu.be/eE7ZC_CUKrY">https://youtu.be/eE7ZC_CUKrY</a>
8	Spectral Theorem Douglas Approach C Algebras	<a href="https://youtu.be/jmHHedSuTb0">https://youtu.be/jmHHedSuTb0</a>
9	Douglas' approach to representation of $B(X)$	<a href="https://youtu.be/PJcEU-d4JO8">https://youtu.be/PJcEU-d4JO8</a>
10	Functional calculus for normal operator with cyclic vector	<a href="https://youtu.be/RQl75_Im1Mg">https://youtu.be/RQl75_Im1Mg</a>

## Video Lectures on various other topics

SNo.	Title	Link
1	Lagrange's Theorem	<a href="https://www.youtube.com/watch?v=1N6uBIj7Rs8">https://www.youtube.com/watch?v=1N6uBIj7Rs8</a>
2	Video on Residue Theorem	<a href="https://www.youtube.com/watch?v=EEoQI1WM6Jw">https://www.youtube.com/watch?v=EEoQI1WM6Jw</a>
3	Residues TY	<a href="https://www.youtube.com/watch?v=gZk8pPzuG-A">https://www.youtube.com/watch?v=gZk8pPzuG-A</a>
4	Singularities	<a href="https://www.youtube.com/watch?v=Qh_0oe9MGOo">https://www.youtube.com/watch?v=Qh_0oe9MGOo</a>
5	Laurent Series	<a href="https://www.youtube.com/watch?v=iYUg7SJU1HI">https://www.youtube.com/watch?v=iYUg7SJU1HI</a>
6	Madhava Mathematics Competition	<a href="https://www.youtube.com/watch?v=7mRj8yzoyg8">https://www.youtube.com/watch?v=7mRj8yzoyg8</a>
7	Undergrads: Explore the Joy of Solving Math Problems	<a href="https://www.youtube.com/watch?v=5MM2xDkB-Fc">https://www.youtube.com/watch?v=5MM2xDkB-Fc</a>
8	Mathematical Anecdotes: Stories, Jokes and Poems	<a href="https://www.youtube.com/watch?v=sUOiTzEWtZc">https://www.youtube.com/watch?v=sUOiTzEWtZc</a>
9	Madhava and Kerala School	<a href="https://www.youtube.com/watch?v=GeKgyQD7qoc&amp;t=1s">https://www.youtube.com/watch?v=GeKgyQD7qoc&amp;t=1s</a>
10	Ramanujan	<a href="https://www.youtube.com/watch?v=pLsf--5IP6I">https://www.youtube.com/watch?v=pLsf--5IP6I</a>
11	Can We Measure Beauty	<a href="https://www.youtube.com/watch?v=8dK4n_evG3w&amp;t=1s">https://www.youtube.com/watch?v=8dK4n_evG3w&amp;t=1s</a>
12	Greek School	<a href="https://www.youtube.com/watch?v=AgsNZN8R8C8&amp;t=5s">https://www.youtube.com/watch?v=AgsNZN8R8C8&amp;t=5s</a>
13	An Application of the Companion Matrix	<a href="https://www.youtube.com/watch?v=fM2qGGYNOXQ&amp;t=2s">https://www.youtube.com/watch?v=fM2qGGYNOXQ&amp;t=2s</a>
14	Game Theory Talk 1	<a href="https://youtu.be/v6EmiSQjbeQ">https://youtu.be/v6EmiSQjbeQ</a>
15	Game Theory Talk 2	<a href="https://youtu.be/dBs4pROvzrU">https://youtu.be/dBs4pROvzrU</a>
16	Game Theory Talk 3	<a href="https://youtu.be/NSaVs1hyrDM">https://youtu.be/NSaVs1hyrDM</a>
17	Game Theory Talk 4	<a href="https://youtu.be/-1bpcI6Tcd4">https://youtu.be/-1bpcI6Tcd4</a>