FREEPROFING VS. WAGEPROFING

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Freeprofing (i.e. when a professor uploads free videoed lectures onto the internet) has considerable advantages over wageprofing (i.e. giving conventional real time lectures in a classroom as a waged professor), for example –

FREE

Freeprofed lectures are FREE. Why pay a fortune going to a wageprofed university, when you can teach yourself from freeprofed lectures (and then using some company that can organize your home-works and exams, and give you an accredited diploma, for a total price far cheaper than a standard university). Freeprofing promises to destroy the essence of traditional wageprofed universities, because it is so much cheaper for the student. Some of the elite "Ivy League" universities in the US cost as much as $40,000 a year.

Non real time

You can watch the video lectures as many times as you want on the internet. In a wageprofed class, there is no such possibility.

Rewind

If you didn't understand something on the first listening, then you can rewind and listen again, until you understand it.

Distracted?

The same comment as just above applies to when you are distracted. Were you thinking about the wonderful time you had last night with your new girl/boyfriend? Oops, missed what the freeprof has been saying for the past 5 minutes. No matter. Just rewind and listen again, but this time with ones mind on the video.

Learn at your own pace

If you're not so bright, then you don't have to be rushed by the smarter average pace of a wageprofed class. You can watch the video lectures at your own relaxed pace. On the other hand, if you are very bright, and understand things quickly and easily, then you can race ahead at your own pace. You can do that with internet video (YouTube) freeprofed lectures.

An Expanded Audience

Because these deGarisMPC lectures are on YouTube, they are accessible to anyone, so it is almost certain that a lot of people will not belong to the "student million" (i.e. the estimated maximum number of graduate students around the world who are studying pure math, math physics and computer theory). There may be many others who "get hooked" on the material for its own sake, by its very nature. For example, perhaps people who took a bachelors degree in one of these 3 fields, may be curious to see where their specialty leads at higher intellectual levels, and start following the lectures. Others might be curious to know how a "PhD lecture" feels, to see if they can follow it. Probably not, without the appropriate prerequisites, and perhaps due to a lack of raw intelligence. (It is not for nothing that these lectures are aimed at the "alphas" i.e. those people in the top percentile in IQ). There may be quite a variety of types of people who follow these lectures, so who knows how many people may be studying them a decade from the year they were started (2012).

Flexible Time Length Lectures

Why should a lecture be set at about 50 minutes? Freeprofing allows a video talk to be of any length. If the viewer wants a break, hse has only to stop it and come back to it later. So there's no need for the video itself to be of a fixed length. That's just a hangover from the old wageprofing days.

Greater range of lectures

A lot of these deGarisMPC lectures are at an advanced level, that many universities around the world *don't even teach*, because either the university itself is not of a high standard, or the topic is too specialized to have enough students to warrant a class by a waged professor. But freeprofed lectures reach the whole planet, so there will also be plenty of students to follow them.

All under one roof

If you want to watch a graduate level lecture in the MPC range of topics, then you'll probably find one at deGarisMPC. This saves you the hassle of hunting down a lecture on e.g. YouTube by using key words. The lecture sets on deGarisMPC are listed alphabetically, for easy access.

Comprehensive coverage

The range of topics covered is designed so that students can teach themselves in a comprehensive manner. The topics provide a broad covering of the major topics in the MPC fields. Any motivated (top 1 percentile) student ought to be able to able to teach hermself the (near) full range of MPC topics at graduate level.

Supplementary lectures

These lectures may be used by some students as supplementary to those they get from their own professors. Perhaps their own professors don't camcord their lectures, so they are a once-off, real time thing that fades with the students' memories. If the lecture topics and perhaps even the text books used (I try to use fairly standard and hence popular texts for my lectures) are the same as those of the students' professors then these lectures have the enormous advantage of repeatability. Students can play them over and over, until a difficult point is understood. So professors might use these lectures as a study aid for their own courses, especially when the text books used are the same.

Why only one lecture set per topic?

Freeprofing revolutionizes the economics of higher education. Universities do not provide a second set of lectures on the same topic in the same semester. That would be considered a waste of time and money. Students are too pressed for time to attend a second set. But with freeprofing, it costs the student nothing to be provided with extra sets of lectures on a given topic. For example in deGarisMPC on the prestigious and very difficult topic of "String Theory" (the teaching of which was one of the driving motives behind the creation of deGarisMPC) there are no less than 8 lecture sets (not lectures, SETS!) This extra choice gives students the means to get a broad overview of the topic from several perspectives, several authors.

Churning them out!

Making a video is psychologically quite different from giving a non stop class room lecture for an hour. One can start and stop the camcording whenever one wants. So it becomes possible for a freeprof when lecturing on a subject that is fairly new to him, and on a difficult topic, to study a few pages of text, master it, and then camcord it. The newness of the topic to the freeprof may be reflected in the freshness and enthusiasm of his presentation (hopefully.) This start-stop method allows a freeprof to churn out many lecture sets over the years. Camcording makes it a lot more practical.

Reaches the whole planet

One of the motives I have in spending so much time on these MPC lectures, is that I would very much like to see the planet become totally democratic, i.e. to see the "dedictation" (ridding the world of the last dictatorships) process run to completion. It is the middle class that usually forces dictatorships either out of power, or to reform themselves into democratic parties. To help create a world wide middle class, education is critical. These freeprofed lectures are my contribution to building an educated middle class world wide.

Raising the bar

These freeprofed lectures are at a high level, i.e. many of them at PhD level. By freeprofing I can teach at a higher level than is usual at most universities, and thus "raise

the bar" i.e. the level of knowledge of the average (top percentile) student in the fields of MPC.

Influencing other freeprofers

If *I* can freeprof, then so can many other professors. Soon there will be a small army of us on the internet. Many wageprofers already have their conventional lectures videoed and put on the internet. What I'm trying to do is a lot more systematic. I'm trying to provide a comprehensive set of topics in the MPC fields that students can use to get a comprehensive education in these fields. It is a much more systematic approach than the usual wageprofed lecture that is often created with an attitude of - "Maybe I'll video my lectures, that I have to give anyway to earn my salary."

Freeprofing the professor

It is often said that the most effective way to learn something, is to have to teach it. There is a lot of truth in this. When I'm learning this "beautiful, powerful stuff" (i.e. MPC) I'm often thinking at the back of my mind "How would I present this idea to students?" If I feel I can explain it to an imaginary class of students, then I must have understood it. There is also the motivating factor. For years, as a wageprof I stood in front of lecture room classes and lectured. To be able to do that, you really have to know your stuff, otherwise the students will sense it and respect you less for it. So fear of "losing face" in front of a class (or to an internet audience of hugely greater numbers) is a powerful motivator to "know your stuff."

ARCing professors

I'm now ARCing (after retirement careering). I now have the time to camcord a long string of lecture sets and put them up on the internet. A waged professor would be too busy chasing up research grants and grading exams etc to undertake such a long term enterprise. (I expect it make take me a *decade* or more to prepare and camcord all the proposed lecture sets on deGarisMPC.) So making videos of such a comprehensive range of topics (freeprofing) is probably something only ARCing professors can do. Wageprofs are too busy with other distractions. Also, ARCing professors have a lot of experience in giving lectures, because that is what they did in a previous life as wageprofs. That greater experience should manifest itself (hopefully) in the quality of their freeprofed lectures.

The "wow" factor

I'm wondering – if these deGarisMPC lectures "take off", then potentially, how many MPC students (maximum) might end up watching them, world wide? How many graduate students are there in these MPC fields? I googled the question on the number of universities in the world – a bit under 10,000. Say half of them have graduate classes in (3) MPC topics, with an average of 20 students per class, for 3 years, then in round figures, that is about 5000*3*20*3 = a million. Wow! It feels odd, when I'm videoing my lectures in the quiet of my apartment, on my own, privately, that my words and

equations on the white board are being watched on the internet by a potential audience of a million of the planet's brightest students (in the top percentile). That's a heavy responsibility - definitely worth a wow.